State of California
Department of Consumer Affairs

2005/2006 CONSUMER GUIDE AND DIRECTORY OF CERTIFIED INSULATION MATERIAL

Sorted By
TYPE
and
MANUFACTURER

Bureau of Home Furnishings
and
Thermal Insulation

Available online at www.bhfti.ca.gov

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FOREWORD

California law states that every insulation manufacturer shall hold an insulation manufacturing license issued by the California Department of Consumer Affairs' Bureau of Home Furnishings and Thermal Insulation (California Business & Professions Code Section 19059.7). In addition, the law states that all insulation sold and installed in California must be certified to be in compliance with California insulation quality standards (B and P Code Section 19165).

The current standards cover 13 types of insulation frequently used in the ceilings, walls, and floors of homes and buildings. Insulation must meet standards for resistance to heat flow (R-value), fire safety, corrosion and fungi resistance; for changes in size, odor, pliability, settling, bond strength and deflection; and for separation by air movement, when appropriate. California law (B and P Code Section 19165) mandates that the Bureau of Home Furnishings and Thermal Insulation periodically publish a DIRECTORY OF INSULATION MATERIALS, which lists insulation materials certified by the bureau, on the basis of approved laboratory tests, that are in compliance with state law. This directory of insulation materials describes the material and its application, and states the R-value of the material. Although the directory is intended to include all certified material, some materials may have been certified or decertified after the directory was published. The Bureau of Home Furnishings and Thermal Insulation maintains an up-to-date list of certified insulation materials.

The primary function of the quality standards program is to protect consumers by ensuring that:

- claims for product efficiency, properties, and performance are accurate;
- insulation materials are truthfully labeled;
- insulation materials are fire-retardant and safe to use; and
- only certified insulation is sold and installed in California.

The bureau inspects the products of manufacturers, distributors, installers, and retailers to determine their compliance with the insulation quality standards. The bureau also conducts independent performance tests of insulation materials sold in the state to assure continued compliance with the quality standards.

Insulation is one of the best investments a homeowner can make to save energy. Proper insulation can:

- save as much as one-half on cooling and heating costs;
- reduce the operating time for air conditioning and heating equipment, extending their performance and reducing maintenance;

- allow homes to be cooled and heated with smaller, less expensive equipment;
- make homes more comfortable; and
- add to the resale value of homes.

INTRODUCTION

This directory identifies insulation materials that have been certified as complying with the regulations effective September 22, 1981.

REGULATIONS

The text of the regulations can be found in the California Code of Regulations, Title 24, Part 12, Chapter 12-13. All manufacturers of insulation materials covered by the regulations that have not been certified as complying with the standards may not market their materials for installation in California. Any person selling uncertified insulation for installation in California violates state law.

RECENT CERTIFICATIONS

To determine if an insulation material has been certified or decertified after this directory was published, contact the Bureau of Home Furnishings and Thermal Insulation, 3485 Orange Grove Avenue, North Highlands, CA 95660-5595, or call (916) 574-2041.

OBTAINING DOCUMENTS

Copies of the directory and current regulations are available from the Bureau of Home Furnishings and Thermal Insulation, 3485 Orange Grove Avenue, North Highlands, CA 95660-5595.

EXPLANATION OF INFORMATION IN THE DIRECTORY

The following information is included in this directory:

1. Form

Insulation materials are divided into six physical forms: blanket, board, foil, foam and spray, rigid stock, and loose fill. The kind of insulating material marketed in each form is also indicated.

2. Manufacturer and Brand Name

Under each form and kind of insulating material products are listed in alphabetical order by manufacturer and brand name.

3. Material, Type, Facings

Products are then listed by material and by construction type (whether the product is all one material or contains two or more materials). If a facing is attached to the material, the type of facing is indicated.

4. Primary Use, Usage Exposure, Vapor Barrier

The primary (most frequent) use of the products is stated by the manufacturer. If a product is designed to be fire-resistant when the product is left uncovered, this is indicated in the "Designed for Exposed Applications?" column.

If a product is designed to resist moisture, this is indicated in the "Acts as vapor barrier?" column.

5. Labeled Product Thickness

Labeled product thickness is given in decimal inches for boards, batts, and blankets. Manufacturers producing insulation products with the same identification and description in increments of thickness of 1/8 inch may also produce thicknesses less than 1/8 inch, on special order, as products certified by the Bureau.

6. Labeled Thermal Performance

The thermal performance, as labeled on the product and supported by test results, and any lowered R-value, is stated. Thermal performance of building insulations is stated in R-value. Other insulations use K-, C-, or R-values, as appropriate. For loose-fill insulation, spray-applied insulation, field-applied foam, and foam block, thermal performance is shown per inch.

R-value is a measure of insulation effectiveness. The higher the R-value, the higher the insulation effectiveness. R-value also represents resistance to heat flow and can be expressed mathematically as the reciprocal of the Btu or U-value. The U-value is the amount of heat in Btus which moves through a square foot of material for each degree F of temperature difference.

K-value, or conductivity, is the U-value of a material per inch.

C-value, or conductance, is the U-value of the entire thickness of the material.

Btu means British Thermal Unit, or the approximate amount of heat given off by the burning of a wooden match.

INSULATION CATEGORIES AND MANUFACTURERS

PAGE

BLANKET

CELLULOSE FIBER ---------- 1

Bonded Logic, Inc.

MINERAL FIBER ---------- 2

CertainTeed Corp.
CGI/Silvercote, Inc.
CWCI
Guardian Fiberglass, Inc.
Insul-Quilts, Inc,
Insul-Therm, Inc.
Johns Manville International, Inc.
Knauf Fiber Glass
Owens-Corning Fiberglas Corp.

BOARD

CELLULAR GLASS ---------- 66

Pittsburg Corning Corp.

MINERAL AGGREGATE ---------- 67

Johns Manville International, Inc.

MINERAL FIBER ---------- 68

CertainTeed Corp.
Johns Manville International, Inc.
Knauf Fiber Glass
Owens-Corning Fiberglas Corp.
Roxul, Inc.
Thermafiber, LLC

POLYISOCYANURATE ---------- 97

Atlas Roofing Corp.
Dow Chemical USA
Firestone Building Products Co.
Johns Manville Corp.
RMAX, Inc.

POLYSTYRENE ---------- 135

Advance Foam Plastics, Inc.
Alcan Composites USA
Dow Chemical USA
Highland Foam Products
Insulfoam
Metals USA
Owens Corning
Pactiv Building Products
Siplast Roof Insulation Systems
Starrfoam Mfg., Inc.

RIGID STOCK

POLYISOCYANURATE ---------- 146

Dow Chemical U.S.A.

POLYSTYRENE ---------- 147

Dow Chemical U.S.A.

FOIL

ALUMINUM FOIL SYSTEM ---------- 148

ABCO Industries, Inc.
C & S Insulation, Inc.
CGI/Silvercote, Inc.
Covertech Fabricating, Inc.
ESP, Inc.
Pactiv Building Products
Reflectix, Inc.
Superior Radiant Insulation, Inc.

RADIANT BARRIER ---------- 156

Advanced Foil Systems
Compac Corp.
Covertech Fabricating, Inc.
Fi-Foil Company, Inc.
Superior Radiant Insulation

FOAM AND SPRAY

CELLULOSE FIBER ---------- 160

Hamilton Manufacturing, Inc.
International Cellulose Corp.
US GreenFiber

MINERAL FIBER ---------- 163

Johns Manville

POLYURETHANE ---------- 164

BASF
Bio Based Systems
DAP, Inc.
Dow Chemical USA
ER Systems
FAI International, Inc.
Foam Enterprises, Inc
Gaco Western, Inc.
General Coatings, Inc.
Hydro-Seal Coatings Company
NCFI
Polythane Systems, Inc.
Resin Technology Company
UCSC Ltd.

POLYISOCYANURATE & POLYURETHANE---------- 182

Southwest Distributing Company

LOOSE FILL

CELLULOSE ---------- 183

Hamilton Manufacturing, Inc.
Redi-Therm Insulation, Inc.
US GreenFiber

MINERAL FIBER ---------- 171

CertainTeed Corp.
Guardian Fiberglass, Inc.
Johns Manville International, Inc.
Knauf Fiber Glass
Owens-Corning Fiberglas Corp.
Thermafiber

WATER HEATER KITS, DUCT AND PIPE WRAP

MINERAL FIBER ---------- 192

CGI/Silvercote, Inc.
Johns Manville International, Inc.
Knauf Fiber Glass
M-D Building Products
Mechanical Insulation Supply, Inc.
Owens-Corning Fiberglas Corp.

REFLECTIVE FOIL ---------- 194

M-D Building Products

PRODUCT:
CELLULOSE FIBER BLANKET

MANUFACTURER OR PRIVATE LABEL:
BONDED LOGIC, INC.

REG NO. CA-T367(AZ)

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
UTT	ULTRATOUCHR13	CELLULOSE	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.79	13.00 R
UTT	ULTRATOUCHR19	CELLULOSE	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	5.50	19.00 R

* DESCRIPTION OF BRAND CODES
UTT = ULTRATOUCH

06/14/2005

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR RETARDER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
CT	ACKFB PS 78.00	FIBER GLASS	FACED SINGLE MATL	PAPER	CEILING	NO	YES	3.50	11.00 R
CT	ACKFB PS 78.00	FIBER GLASS	FACED SINGLE MATL	PAPER	CEILING	NO	YES	6.25	19.00 R
CT	CCKFB PS 78.00 HD	FIBER GLASS	FACED SINGLE MATL	PAPER	CEILING	NO	YES	8.25	30.00 R
CT	CCKFB PS 78.00 HD	FIBER GLASS	FACED SINGLE MATL	PAPER	CEILING	NO	YES	10.00	38.00 R
CT	CCUFB PS 78.01 HD	FIBER GLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	8.25	30.00 R
CT	CCUFB PS 78.01 HD	FIBER GLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	10.00	38.00 R
CT	ENCKFB PS 78.10	FIBER GLASS	FACED SINGLE MATL	PPR**	CLG WALL FLR	NO	YES	3.50	13.00 R
CT	ENCKFB PS 78.10	FIBER GLASS	FACED SINGLE MATL	PPR**	CLG WALL FLR	NO	YES	6.25	19.00 R
CT	ENCKFB PS 78.10	FIBER GLASS	FACED SINGLE MATL	PPR**	CLG WALL FLR	NO	YES	10.00	30.00 R
CT	ENCUFB PS 78.10	FIBER GLASS	FACED SINGLE MATL	NONWOVEN	CLG WALL FLR	YES	NO	8.00	25.00 R
CT	FFBR PS 78.08	FIBER GLASS	FACED SINGLE MATL	METAL	CLG WALL FLR	NO	YES	3.50	11.00 R
CT	FFBR PS 78.08	FIBER GLASS	FACED SINGLE MATL	METAL	CLG WALL FLR	NO	YES	6.25	19.00 R
CT	FFBR PS 78.08	FIBER GLASS	FACED SINGLE MATL	METAL	CLG WALL FLR	NO	YES	10.00	30.00 R
CT	FRFSKB PS 78.02	FIBER GLASS	FACED SINGLE MATL	METAL	CLG WALL FLR	YES	YES	3.50	11.00 R
CT	FRFSKB PS 78.02	FIBER GLASS	FACED SINGLE MATL	METAL	CLG WALL FLR	YES	YES	6.25	19.00 R
CT	FRFSKB PS 78.02	FIBER GLASS	FACED SINGLE MATL	METAL	CLG WALL FLR	YES	YES	10.00	30.00 R
CT	FRFSKB PS 78.02 HD	FIBER GLASS	FACED SINGLE MATL	METAL	CLG WALL FLR	YES	YES	3.50	13.00 R
CT	KFBR PS 78.00	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.50	11.00 R
CT	KFBR PS 78.00	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.50	13.00 R
CT	KFBR PS 78.00	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	6.25	19.00 R
CT	KFBR PS 78.00	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	6.50	22.00 R
CT	KFBR PS 78.00	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	8.00	25.00 R
CT	KFBR PS 78.00	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	8.38	26.00 R
CT	KFBR PS 78.00	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	10.00	30.00 R
CT	KFBR PS 78.00	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	12.00	38.00 R

* DESCRIPTION OF BRAND CODES
CT = CERTAINTEED

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR RETARDER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
CT	KFBR PS 78.00 HD	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.50	15.00 R
CT	KFBR PS 78.00 HD	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	5.50	21.00 R
CT	KFBR PS 78.03	FIBER GLASS	FACED SINGLE MATL	PAPER	WALL FLR	NO	NO	3.50	11.00 R
CT	MHKFR PS 79.00	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	2.50	7.00 R
CT	MHKFR PS 79.00	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	4.50	14.00 R
CT	MHUFR PS 79.00	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	1.50	5.00 R
CT	MHUFR PS 79.00	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	2.50	7.00 R
CT	MHUFR PS 79.00	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.00	9.00 R
CT	MHUFR PS 79.00	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.50	11.00 R
CT	MHUFR PS 79.00	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	4.50	14.00 R
CT	PFBR PS 78.00	FIBER GLASS	PSK FACED SGL MATL	PLASTIC	CEILING	YES	YES	6.25	19.00 R
CT	PFBR PS 78.07	FIBER GLASS	FACED SINGLE MATL	PLASTIC	WALL	YES	YES	3.13	11.00 R
CT	PS01.00 ULITE 75	FIBER GLASS	AMB SINGLE MATL	NONE	EQUIPMENT	YES	NO	1.50	0.38 K
CT	PS01.00 ULITE 75	FIBER GLASS	AMB SINGLE MATL	NONE	EQUIPMENT	YES	NO	2.00	0.38 K
CT	PS01.00 ULITE 75	FIBER GLASS	AMB SINGLE MATL	NONE	EQUIPMENT	YES	NO	2.50	0.38 K
CT	PS01.00 ULITE 75	FIBER GLASS	AMB SINGLE MATL	NONE	EQUIPMENT	YES	NO	3.00	0.38 K
CT	PS01.00 ULITE 75	FIBER GLASS	AMB SINGLE MATL	NONE	EQUIPMENT	YES	NO	3.50	0.38 K
CT	PS01.00 ULITE 75	FIBER GLASS	AMB SINGLE MATL	NONE	EQUIPMENT	YES	NO	4.00	0.38 K
CT	PS01.00 ULITE 75	FIBER GLASS	AMB SINGLE MATL	NONE	EQUIPMENT	YES	NO	4.50	0.38 K
CT	PS01.00 ULITE 75	FIBER GLASS	AMB SINGLE MATL	NONE	EQUIPMENT	YES	NO	5.00	0.38 K
CT	PS01.00 ULITE 75	FIBER GLASS	AMB SINGLE MATL	NONE	EQUIPMENT	YES	NO	5.50	0.38 K
CT	PS01.00 ULITE 75	FIBER GLASS	AMB SINGLE MATL	NONE	EQUIPMENT	YES	NO	6.00	0.38 K
CT	PS01.00 ULITE 75	FIBER GLASS	AMB COATED MATL	NONE	EQUIPMENT	YES	NO	1.50	0.38 K
CT	PS01.00 ULITE 75	FIBER GLASS	AMB COATED MATL	NONE	EQUIPMENT	YES	NO	2.00	0.38 K
CT	PS01.00 ULITE 75	FIBER GLASS	AMB COATED MATL	NONE	EQUIPMENT	YES	NO	2.50	0.38 K

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CT	PS01.00 ULITE 75	FIBER GLASS	AMB COATED MATL	NONE	EQUIPMENT	YES	NO	3.00	0.38 K
CT	PS01.00 ULITE 75	FIBER GLASS	AMB COATED MATL	NONE	EQUIPMENT	YES	NO	3.50	0.38 K
CT	PS01.00 ULITE 75	FIBER GLASS	AMB COATED MATL	NONE	EQUIPMENT	YES	NO	4.00	0.38 K
CT	PS01.00 ULITE 75	FIBER GLASS	AMB COATED MATL	NONE	EQUIPMENT	YES	NO	4.50	0.38 K
CT	PS01.00 ULITE 75	FIBER GLASS	AMB COATED MATL	NONE	EQUIPMENT	YES	NO	5.00	0.38 K
CT	PS01.00 ULITE 75	FIBER GLASS	AMB COATED MATL	NONE	EQUIPMENT	YES	NO	5.50	0.38 K
CT	PS01.00 ULITE 75	FIBER GLASS	AMB COATED MATL	NONE	EQUIPMENT	YES	NO	6.00	0.38 K
CT	PS01.00 ULITE 75	FIBER GLASS	AMB FSK FACED MATL	METAL	EQUIPMENT	YES	YES	1.50	0.38 K
CT	PS01.00 ULITE 75	FIBER GLASS	AMB FSK FACED MATL	METAL	EQUIPMENT	YES	YES	2.00	0.38 K
CT	PS01.00 ULITE 75	FIBER GLASS	AMB FSK FACED MATL	METAL	EQUIPMENT	YES	YES	2.50	0.38 K
CT	PS01.00 ULITE 75	FIBER GLASS	AMB FSK FACED MATL	METAL	EQUIPMENT	YES	YES	3.00	0.38 K
CT	PS01.00 ULITE 75	FIBER GLASS	AMB FSK FACED MATL	METAL	EQUIPMENT	YES	YES	3.50	0.38 K
CT	PS01.00 ULITE 75	FIBER GLASS	AMB FSK FACED MATL	METAL	EQUIPMENT	YES	YES	4.00	0.38 K
CT	PS01.00 ULITE 75	FIBER GLASS	AMB FSK FACED MATL	METAL	EQUIPMENT	YES	YES	4.50	0.38 K
CT	PS01.00 ULITE 75	FIBER GLASS	AMB FSK FACED MATL	METAL	EQUIPMENT	YES	YES	5.00	0.38 K
CT	PS01.00 ULITE 75	FIBER GLASS	AMB FSK FACED MATL	METAL	EQUIPMENT	YES	YES	5.50	0.38 K
CT	PS01.00 ULITE 75	FIBER GLASS	AMB FSK FACED MATL	METAL	EQUIPMENT	YES	YES	6.00	0.38 K
CT	PS01.00 ULITE 100	FIBER GLASS	AMB SINGLE MATL	NONE	EQUIPMENT	YES	NO	1.00	0.35 K
CT	PS01.00 ULITE 100	FIBER GLASS	AMB SINGLE MATL	NONE	EQUIPMENT	YES	NO	1.50	0.35 K
CT	PS01.00 ULITE 100	FIBER GLASS	AMB SINGLE MATL	NONE	EQUIPMENT	YES	NO	2.00	0.35 K
CT	PS01.00 ULITE 100	FIBER GLASS	AMB SINGLE MATL	NONE	EQUIPMENT	YES	NO	2.50	0.35 K
CT	PS01.00 ULITE 100	FIBER GLASS	AMB SINGLE MATL	NONE	EQUIPMENT	YES	NO	3.00	0.35 K
CT	PS01.00 ULITE 100	FIBER GLASS	AMB SINGLE MATL	NONE	EQUIPMENT	YES	NO	3.50	0.35 K
CT	PS01.00 ULITE 100	FIBER GLASS	AMB SINGLE MATL	NONE	EQUIPMENT	YES	NO	4.00	0.35 K
CT	PS01.00 ULITE 100	FIBER GLASS	AMB SINGLE MATL	NONE	EQUIPMENT	YES	NO	4.50	0.35 K

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CT	PS01.00 ULITE 100	FIBER GLASS	AMB SINGLE MATL	NONE	EQUIPMENT	YES	NO	5.00	0.35 K
CT	PS01.00 ULITE 100	FIBER GLASS	AMB SINGLE MATL	NONE	EQUIPMENT	YES	NO	5.50	0.35 K
CT	PS01.00 ULITE 100	FIBER GLASS	AMB SINGLE MATL	NONE	EQUIPMENT	YES	NO	6.00	0.35 K
CT	PS01.00 ULITE 100	FIBER GLASS	AMB COATED MATL	NONE	EQUIPMENT	YES	NO	1.00	0.35 K
CT	PS01.00 ULITE 100	FIBER GLASS	AMB COATED MATL	NONE	EQUIPMENT	YES	NO	1.50	0.35 K
CT	PS01.00 ULITE 100	FIBER GLASS	AMB COATED MATL	NONE	EQUIPMENT	YES	NO	2.00	0.35 K
CT	PS01.00 ULITE 100	FIBER GLASS	AMB COATED MATL	NONE	EQUIPMENT	YES	NO	2.50	0.35 K
CT	PS01.00 ULITE 100	FIBER GLASS	AMB COATED MATL	NONE	EQUIPMENT	YES	NO	3.00	0.35 K
CT	PS01.00 ULITE 100	FIBER GLASS	AMB COATED MATL	NONE	EQUIPMENT	YES	NO	3.50	0.35 K
CT	PS01.00 ULITE 100	FIBER GLASS	AMB COATED MATL	NONE	EQUIPMENT	YES	NO	4.00	0.35 K
CT	PS01.00 ULITE 100	FIBER GLASS	AMB COATED MATL	NONE	EQUIPMENT	YES	NO	4.50	0.35 K
CT	PS01.00 ULITE 100	FIBER GLASS	AMB COATED MATL	NONE	EQUIPMENT	YES	NO	5.00	0.35 K
CT	PS01.00 ULITE 100	FIBER GLASS	AMB COATED MATL	NONE	EQUIPMENT	YES	NO	5.50	0.35 K
CT	PS01.00 ULITE 100	FIBER GLASS	AMB COATED MATL	NONE	EQUIPMENT	YES	NO	6.00	0.35 K
CT	PS01.00 ULITE 100	FIBER GLASS	AMB FSK FACED MATL	METAL	EQUIPMENT	YES	YES	1.00	0.35 K
CT	PS01.00 ULITE 100	FIBER GLASS	AMB FSK FACED MATL	METAL	EQUIPMENT	YES	YES	1.50	0.35 K
CT	PS01.00 ULITE 100	FIBER GLASS	AMB FSK FACED MATL	METAL	EQUIPMENT	YES	YES	2.00	0.35 K
CT	PS01.00 ULITE 100	FIBER GLASS	AMB FSK FACED MATL	METAL	EQUIPMENT	YES	YES	2.50	0.35 K
CT	PS01.00 ULITE 100	FIBER GLASS	AMB FSK FACED MATL	METAL	EQUIPMENT	YES	YES	3.00	0.35 K
CT	PS01.00 ULITE 100	FIBER GLASS	AMB FSK FACED MATL	METAL	EQUIPMENT	YES	YES	3.50	0.35 K
CT	PS01.00 ULITE 100	FIBER GLASS	AMB FSK FACED MATL	METAL	EQUIPMENT	YES	YES	4.00	0.35 K
CT	PS01.00 ULITE 100	FIBER GLASS	AMB FSK FACED MATL	METAL	EQUIPMENT	YES	YES	4.50	0.35 K
CT	PS01.00 ULITE 100	FIBER GLASS	AMB FSK FACED MATL	METAL	EQUIPMENT	YES	YES	5.00	0.35 K
CT	PS01.00 ULITE 100	FIBER GLASS	AMB FSK FACED MATL	METAL	EQUIPMENT	YES	YES	5.50	0.35 K
CT	PS01.00 ULITE 100	FIBER GLASS	AMB FSK FACED MATL	METAL	EQUIPMENT	YES	YES	6.00	0.35 K

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BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR RETARDER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
CT	PS01.00 ULITE 150	FIBER GLASS	AMB SINGLE MATL	NONE	EQUIPMENT	YES	NO	0.75	0.32 K
CT	PS01.00 ULITE 150	FIBER GLASS	AMB SINGLE MATL	NONE	EQUIPMENT	YES	NO	1.00	0.32 K
CT	PS01.00 ULITE 150	FIBER GLASS	AMB SINGLE MATL	NONE	EQUIPMENT	YES	NO	1.50	0.32 K
CT	PS01.00 ULITE 150	FIBER GLASS	AMB SINGLE MATL	NONE	EQUIPMENT	YES	NO	2.00	0.32 K
CT	PS01.00 ULITE 150	FIBER GLASS	AMB SINGLE MATL	NONE	EQUIPMENT	YES	NO	2.50	0.32 K
CT	PS01.00 ULITE 150	FIBER GLASS	AMB SINGLE MATL	NONE	EQUIPMENT	YES	NO	3.00	0.32 K
CT	PS01.00 ULITE 150	FIBER GLASS	AMB SINGLE MATL	NONE	EQUIPMENT	YES	NO	3.50	0.32 K
CT	PS01.00 ULITE 150	FIBER GLASS	AMB SINGLE MATL	NONE	EQUIPMENT	YES	NO	4.00	0.32 K
CT	PS01.00 ULITE 150	FIBER GLASS	AMB COATED MATL	NONE	EQUIPMENT	YES	NO	0.75	0.32 K
CT	PS01.00 ULITE 150	FIBER GLASS	AMB COATED MATL	NONE	EQUIPMENT	YES	NO	1.00	0.32 K
CT	PS01.00 ULITE 150	FIBER GLASS	AMB COATED MATL	NONE	EQUIPMENT	YES	NO	1.50	0.32 K
CT	PS01.00 ULITE 150	FIBER GLASS	AMB COATED MATL	NONE	EQUIPMENT	YES	NO	2.00	0.32 K
CT	PS01.00 ULITE 150	FIBER GLASS	AMB COATED MATL	NONE	EQUIPMENT	YES	NO	2.50	0.32 K
CT	PS01.00 ULITE 150	FIBER GLASS	AMB COATED MATL	NONE	EQUIPMENT	YES	NO	3.00	0.32 K
CT	PS01.00 ULITE 150	FIBER GLASS	AMB COATED MATL	NONE	EQUIPMENT	YES	NO	3.50	0.32 K
CT	PS01.00 ULITE 150	FIBER GLASS	AMB COATED MATL	NONE	EQUIPMENT	YES	NO	4.00	0.32 K
CT	PS01.00 ULITE 150	FIBER GLASS	AMB FSK FACED MATL	METAL	EQUIPMENT	YES	YES	0.75	0.32 K
CT	PS01.00 ULITE 150	FIBER GLASS	AMB FSK FACED MATL	METAL	EQUIPMENT	YES	YES	1.00	0.32 K
CT	PS01.00 ULITE 150	FIBER GLASS	AMB FSK FACED MATL	METAL	EQUIPMENT	YES	YES	1.50	0.32 K
CT	PS01.00 ULITE 150	FIBER GLASS	AMB FSK FACED MATL	METAL	EQUIPMENT	YES	YES	2.00	0.32 K
CT	PS01.00 ULITE 150	FIBER GLASS	AMB FSK FACED MATL	METAL	EQUIPMENT	YES	YES	2.50	0.32 K
CT	PS01.00 ULITE 150	FIBER GLASS	AMB FSK FACED MATL	METAL	EQUIPMENT	YES	YES	3.00	0.32 K
CT	PS01.00 ULITE 150	FIBER GLASS	AMB FSK FACED MATL	METAL	EQUIPMENT	YES	YES	3.50	0.32 K
CT	PS01.00 ULITE 150	FIBER GLASS	AMB FSK FACED MATL	METAL	EQUIPMENT	YES	YES	4.00	0.32 K
CT	PS01.00 ULITE 200	FIBER GLASS	AMB SINGLE MATL	NONE	EQUIPMENT	YES	NO	0.50	0.29 K

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CT	PS01.00 ULITE 200	FIBER GLASS	AMB SINGLE MATL	NONE	EQUIPMENT	YES	NO	0.75	0.29 K
CT	PS01.00 ULITE 200	FIBER GLASS	AMB SINGLE MATL	NONE	EQUIPMENT	YES	NO	1.00	0.29 K
CT	PS01.00 ULITE 200	FIBER GLASS	AMB SINGLE MATL	NONE	EQUIPMENT	YES	NO	1.50	0.29 K
CT	PS01.00 ULITE 200	FIBER GLASS	AMB SINGLE MATL	NONE	EQUIPMENT	YES	NO	2.00	0.29 K
CT	PS01.00 ULITE 200	FIBER GLASS	AMB COATED MATL	NONE	EQUIPMENT	YES	NO	0.50	0.29 K
CT	PS01.00 ULITE 200	FIBER GLASS	AMB COATED MATL	NONE	EQUIPMENT	YES	NO	0.75	0.29 K
CT	PS01.00 ULITE 200	FIBER GLASS	AMB COATED MATL	NONE	EQUIPMENT	YES	NO	1.00	0.29 K
CT	PS01.00 ULITE 200	FIBER GLASS	AMB COATED MATL	NONE	EQUIPMENT	YES	NO	1.50	0.29 K
CT	PS01.00 ULITE 200	FIBER GLASS	AMB COATED MATL	NONE	EQUIPMENT	YES	NO	2.00	0.29 K
CT	PS01.00 ULITE 200	FIBER GLASS	AMB FSK FACED MATL	METAL	EQUIPMENT	YES	YES	0.50	0.29 K
CT	PS01.00 ULITE 200	FIBER GLASS	AMB FSK FACED MATL	METAL	EQUIPMENT	YES	YES	0.75	0.29 K
CT	PS01.00 ULITE 200	FIBER GLASS	AMB FSK FACED MATL	METAL	EQUIPMENT	YES	YES	1.00	0.29 K
CT	PS01.00 ULITE 200	FIBER GLASS	AMB FSK FACED MATL	METAL	EQUIPMENT	YES	YES	1.50	0.29 K
CT	PS01.00 ULITE 200	FIBER GLASS	AMB FSK FACED MATL	METAL	EQUIPMENT	YES	YES	2.00	0.29 K
CT	PS01.00 ULITE 300	FIBER GLASS	AMB SINGLE MATL	NONE	EQUIPMENT	YES	NO	0.25	0.26 K
CT	PS01.00 ULITE 300	FIBER GLASS	AMB SINGLE MATL	NONE	EQUIPMENT	YES	NO	0.50	0.26 K
CT	PS01.00 ULITE 300	FIBER GLASS	AMB SINGLE MATL	NONE	EQUIPMENT	YES	NO	0.75	0.26 K
CT	PS01.00 ULITE 300	FIBER GLASS	AMB SINGLE MATL	NONE	EQUIPMENT	YES	NO	1.00	0.26 K
CT	PS01.00 ULITE 300	FIBER GLASS	AMB SINGLE MATL	NONE	EQUIPMENT	YES	NO	1.50	0.26 K
CT	PS01.00 ULITE 300	FIBER GLASS	AMB SINGLE MATL	NONE	EQUIPMENT	YES	NO	2.00	0.26 K
CT	PS01.00 ULITE 300	FIBER GLASS	AMB COATED MATL	NONE	EQUIPMENT	YES	NO	0.25	0.26 K
CT	PS01.00 ULITE 300	FIBER GLASS	AMB COATED MATL	NONE	EQUIPMENT	YES	NO	0.50	0.26 K
CT	PS01.00 ULITE 300	FIBER GLASS	AMB COATED MATL	NONE	EQUIPMENT	YES	NO	0.75	0.26 K
CT	PS01.00 ULITE 300	FIBER GLASS	AMB COATED MATL	NONE	EQUIPMENT	YES	NO	1.00	0.26 K
CT	PS01.00 ULITE 300	FIBER GLASS	AMB COATED MATL	NONE	EQUIPMENT	YES	NO	1.50	0.26 K

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CT	PS01.00 ULITE 300	FIBER GLASS	AMB COATED MATL	NONE	EQUIPMENT	YES	NO	2.00	0.26 K
CT	PS01.00 ULITE 300	FIBER GLASS	AMB FSK FACED MATL	METAL	EQUIPMENT	YES	YES	0.25	0.26 K
CT	PS01.00 ULITE 300	FIBER GLASS	AMB FSK FACED MATL	METAL	EQUIPMENT	YES	YES	0.50	0.26 K
CT	PS01.00 ULITE 300	FIBER GLASS	AMB FSK FACED MATL	METAL	EQUIPMENT	YES	YES	0.75	0.26 K
CT	PS01.00 ULITE 300	FIBER GLASS	AMB FSK FACED MATL	METAL	EQUIPMENT	YES	YES	1.00	0.26 K
CT	PS01.00 ULITE 300	FIBER GLASS	AMB FSK FACED MATL	METAL	EQUIPMENT	YES	YES	1.50	0.26 K
CT	PS01.00 ULITE 300	FIBER GLASS	AMB FSK FACED MATL	METAL	EQUIPMENT	YES	YES	2.00	0.26 K
CT	PS01.05 CSAB T	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	1.00	3.60 R
CT	PS01.05 CSAB T	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	1.50	5.40 R
CT	PS01.05 CSAB T	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	2.00	7.10 R
CT	PS01.05 CSAB T	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	1.00	3.70 R
CT	PS01.05 CSAB T	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	1.50	5.60 R
CT	PS01.05 CSAB T	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	2.00	7.40 R
CT	PS01.05 CSAB T	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	1.00	4.20 R
CT	PS01.05 CSAB T	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	1.50	6.20 R
CT	PS01.05 CSAB T	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	2.00	8.30 R
CT	PS01.05 CSAB TC	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	1.00	3.70 R
CT	PS01.05 CSAB TC	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	1.50	5.60 R
CT	PS01.05 CSAB TC	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	2.00	7.40 R
CT	PS01.05 CSAB TC	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	1.00	3.70 R
CT	PS01.05 CSAB TC	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	1.50	5.60 R
CT	PS01.05 CSAB TC	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	2.00	7.40 R
CT	PS01.05 CSAB TC	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	1.00	4.20 R
CT	PS01.05 CSAB TC	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	1.50	6.20 R
CT	PS01.05 CSAB TC	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	2.00	8.30 R

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CT	PS01.05 CSAB TXS	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	1.00	3.60 R
CT	PS01.05 CSAB TXS	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	1.50	5.40 R
CT	PS01.05 CSAB TXS	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	2.00	7.10 R
CT	PS01.05 CSAB TXS	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	1.00	3.70 R
CT	PS01.05 CSAB TXS	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	1.50	5.60 R
CT	PS01.05 CSAB TXS	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	2.00	7.40 R
CT	PS01.05 CSAB TXS	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	1.00	4.20 R
CT	PS01.05 CSAB TXS	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	1.50	6.20 R
CT	PS01.05 CSAB TXS	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	2.00	8.30 R
CT	PS02.00 ULITE 150	FIBER GLASS	COATED SGL MATL	OTHER	DUCTS	YES	NO	1.00	0.28 K
CT	PS02.00 ULITE 150	FIBER GLASS	COATED SGL MATL	OTHER	DUCTS	YES	NO	1.50	0.28 K
CT	PS02.00 ULITE 150	FIBER GLASS	COATED SGL MATL	OTHER	DUCTS	YES	NO	2.00	0.26 K
CT	PS02.00 ULITE 200	FIBER GLASS	COATED SGL MATL	OTHER	DUCTS	YES	NO	0.50	0.26 K
CT	PS02.00 ULITE 200	FIBER GLASS	COATED SGL MATL	OTHER	DUCTS	YES	NO	1.00	0.27 K
CT	PS02.00 ULITE 200	FIBER GLASS	COATED SGL MATL	OTHER	DUCTS	YES	NO	1.50	0.27 K
CT	PS02.00 ULITE 200	FIBER GLASS	COATED SGL MATL	OTHER	DUCTS	YES	NO	2.00	0.27 K
CT	PS02.00 ULITE 300	FIBER GLASS	COATED SGL MATL	OTHER	DUCTS	YES	NO	0.50	0.24 K
CT	PS02.00 ULITE 300	FIBER GLASS	COATED SGL MATL	OTHER	DUCTS	YES	NO	1.00	0.24 K
CT	PS02.00 ULITE 300	FIBER GLASS	COATED SGL MATL	OTHER	DUCTS	YES	NO	1.50	0.24 K
CT	PS02.00 ULITE 300	FIBER GLASS	COATED SGL MATL	OTHER	DUCTS	YES	NO	2.00	0.24 K
CT	PS06.00 TOUGHGARD R	FIBER GLASS	SINGLE MATERIAL	OTHER	DUCTS	YES	NO	0.50	0.24 K
CT	PS06.00 TOUGHGARD R	FIBER GLASS	COATED SGL MATL	OTHER	DUCTS	YES	NO	1.00	0.24 K
CT	PS06.00 TOUGHGARD R	FIBER GLASS	COATED SGL MATL	OTHER	DUCTS	YES	NO	1.50	0.24 K
CT	PS06.00 TOUGHGARD R	FIBER GLASS	COATED SGL MATL	OTHER	DUCTS	YES	NO	2.00	0.24 K
CT	PS06.12 ACSTABLKT 150	FIBER GLASS	SINGLE MATERIAL	OTHER	CLG WALL	YES	NO	1.00	4.20 R

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CT	PS06.12 ACSTABLKT 150	FIBER GLASS	SINGLE MATERIAL	OTHER	CLG WALL	YES	NO	1.50	6.30 R
CT	PS06.12 ACSTABLKT 150	FIBER GLASS	SINGLE MATERIAL	OTHER	CLG WALL	YES	NO	2.00	8.30 R
CT	PS06.12 ACSTABLKT 200	FIBER GLASS	SINGLE MATERIAL	OTHER	CLG WALL	YES	NO	0.50	2.10 R
CT	PS11.00 TOUGHGARD 150	FIBER GLASS	SINGLE MATERIAL	OTHER	DUCTS	YES	NO	0.5625	2.10 R
CT	PS11.00 TOUGHGARD 150	FIBER GLASS	COATED SGL MATL	OTHER	DUCTS	YES	NO	1.00	0.28 K
CT	PS11.00 TOUGHGARD 150	FIBER GLASS	SINGLE MATERIAL	OTHER	DUCTS	YES	NO	1.20	4.20 R
CT	PS11.00 TOUGHGARD 150	FIBER GLASS	COATED SGL MATL	OTHER	DUCTS	YES	NO	1.50	0.28 K
CT	PS11.00 TOUGHGARD 150	FIBER GLASS	COATED SGL MATL	OTHER	DUCTS	YES	NO	2.00	0.28 K
CT	PS11.00 TOUGHGARD 200	FIBER GLASS	COATED SGL MATL	OTHER	DUCTS	YES	NO	0.50	0.26 K
CT	PS11.00 TOUGHGARD 200	FIBER GLASS	COATED SGL MATL	OTHER	DUCTS	YES	NO	1.00	0.27 K
CT	PS11.00 TOUGHGARD 200	FIBER GLASS	COATED SGL MATL	OTHER	DUCTS	YES	NO	1.50	0.27 K
CT	PS11.00 TOUGHGARD 200	FIBER GLASS	COATED SGL MATL	OTHER	DUCTS	YES	NO	2.00	0.27 K
CT	PS11.00 TOUGHGARD 300	FIBER GLASS	COATED SGL MATL	OTHER	DUCTS	YES	NO	0.50	0.24 K
CT	PS11.00 TOUGHGARD 300	FIBER GLASS	COATED SGL MATL	OTHER	DUCTS	YES	NO	1.00	0.24 K
CT	PS11.00 TOUGHGARD 300	FIBER GLASS	COATED SGL MATL	OTHER	DUCTS	YES	NO	1.50	0.24 K
CT	PS11.00 TOUGHGARD 300	FIBER GLASS	COATED SGL MATL	OTHER	DUCTS	YES	NO	2.00	0.24 K
CT	PS11.20 TOUGHGARD 2-15	FIBER GLASS	COATED SGL MATL	OTHER	DUCTS	YES	NO	1.00	4.10 R
CT	PS11.20 TOUGHGARD 2-15	FIBER GLASS	COATED SGL MATL	OTHER	DUCTS	YES	NO	1.50	6.00 R
CT	PS11.20 TOUGHGARD 2-15	FIBER GLASS	COATED SGL MATL	OTHER	DUCTS	YES	NO	2.00	8.00 R
CT	PS11.20 TOUGHGARD 2-20	FIBER GLASS	COATED SGL MATL	OTHER	DUCTS	YES	NO	0.50	2.10 R
CT	PS11.20 TOUGHGARD 2-20	FIBER GLASS	COATED SGL MATL	OTHER	DUCTS	YES	NO	1.00	4.20 R
CT	PS11.20 TOUGHGARD 2-20	FIBER GLASS	COATED SGL MATL	OTHER	DUCTS	YES	NO	1.50	6.30 R
CT	PS11.20 TOUGHGARD 2-20	FIBER GLASS	COATED SGL MATL	OTHER	DUCTS	YES	NO	2.00	8.30 R
CT	PS11.20 TOUGHGARD 2-30	FIBER GLASS	COATED SGL MATL	OTHER	DUCTS	YES	NO	0.50	2.20 R
CT	PS11.20 TOUGHGARD 2-30	FIBER GLASS	COATED SGL MATL	OTHER	DUCTS	YES	NO	1.00	4.30 R

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CT	PS11.20 TOUGHGARD 2-30	FIBER GLASS	COATED SGL MATL	OTHER	DUCTS	YES	NO	1.50	6.50 R
CT	PS11.20 TOUGHGARD 2-30	FIBER GLASS	COATED SGL MATL	OTHER	DUCTS	YES	NO	2.00	8.70 R
CT	PS65.00 IFD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	1.125	4.20 R
CT	PS65.00 IFD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	1.625	6.00 R
CT	PS65.00 IFD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	2.125	8.00 R
CT	PS67.00 CRIMPWRAP	FIBER GLASS	SINGLE MATERIAL	FSP	DUCTS	YES	YES	1.00	0.26 K
CT	PS67.00 CRIMPWRAP	FIBER GLASS	SINGLE MATERIAL	FSP	DUCTS	YES	YES	1.50	0.26 K
CT	PS67.00 CRIMPWRAP	FIBER GLASS	SINGLE MATERIAL	FSP	DUCTS	YES	YES	2.00	0.26 K
CT	PS67.00 CRIMPWRAP	FIBER GLASS	SINGLE MATERIAL	FSP	DUCTS	YES	YES	2.50	0.26 K
CT	PS67.00 CRIMPWRAP	FIBER GLASS	SINGLE MATERIAL	FSP	DUCTS	YES	YES	3.00	0.26 K
CT	PS67.00 CRIMPWRAP	FIBER GLASS	SINGLE MATERIAL	FSP	DUCTS	YES	YES	3.50	0.26 K
CT	PS67.00 CRIMPWRAP	FIBER GLASS	SINGLE MATERIAL	FSP	DUCTS	YES	YES	4.00	0.26 K
CT	PS67.00 CRIMPWRAP	FIBER GLASS	SINGLE MATERIAL	ASJ	DUCTS	YES	YES	1.00	0.26 K
CT	PS67.00 CRIMPWRAP	FIBER GLASS	SINGLE MATERIAL	ASJ	DUCTS	YES	YES	1.50	0.26 K
CT	PS67.00 CRIMPWRAP	FIBER GLASS	SINGLE MATERIAL	ASJ	DUCTS	YES	YES	2.00	0.26 K
CT	PS67.00 CRIMPWRAP	FIBER GLASS	SINGLE MATERIAL	ASJ	DUCTS	YES	YES	2.50	0.26 K
CT	PS67.00 CRIMPWRAP	FIBER GLASS	SINGLE MATERIAL	ASJ	DUCTS	YES	YES	3.00	0.26 K
CT	PS67.00 CRIMPWRAP	FIBER GLASS	SINGLE MATERIAL	ASJ	DUCTS	YES	YES	3.50	0.26 K
CT	PS67.00 CRIMPWRAP	FIBER GLASS	SINGLE MATERIAL	ASJ	DUCTS	YES	YES	4.00	0.26 K
CT	PS70.00 UNIV 501	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.50	0.31 K
CT	PS70.00 UNIV 501	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.00	0.31 K
CT	PS70.00 UNIV 501	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.50	0.31 K
CT	PS70.00 UNIV 501	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.00	0.31 K
CT	PS70.00 UNIV 501	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.50	0.31 K
CT	PS70.00 UNIV 501	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.00	0.31 K

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CT	PS70.00 UNIV 501	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.50	0.31 K
CT	PS70.00 UNIV 501	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	5.00	0.31 K
CT	PS70.00 UNIV 501	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	5.50	0.31 K
CT	PS70.00 UNIV 501	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	6.00	0.31 K
CT	PS70.00 UNIV 501	FIBER GLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	1.50	0.31 K
CT	PS70.00 UNIV 501	FIBER GLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	2.00	0.31 K
CT	PS70.00 UNIV 501	FIBER GLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	2.50	0.31 K
CT	PS70.00 UNIV 501	FIBER GLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	3.00	0.31 K
CT	PS70.00 UNIV 501	FIBER GLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	3.50	0.31 K
CT	PS70.00 UNIV 501	FIBER GLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	4.00	0.31 K
CT	PS70.00 UNIV 501	FIBER GLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	4.50	0.31 K
CT	PS70.00 UNIV 501	FIBER GLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	5.00	0.31 K
CT	PS70.00 UNIV 501	FIBER GLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	5.50	0.31 K
CT	PS70.00 UNIV 501	FIBER GLASS	FSK FACED MATERIAL	METAL	EQUIPMENT	YES	YES	6.00	0.31 K
CT	PS70.00 UNIV 501	FIBER GLASS	VINYL FACED MATL	PLASTIC	EQUIPMENT	YES	YES	1.50	0.31 K
CT	PS70.00 UNIV 501	FIBER GLASS	VINYL FACED MATL	PLASTIC	EQUIPMENT	YES	YES	2.00	0.31 K
CT	PS70.00 UNIV 501	FIBER GLASS	VINYL FACED MATL	PLASTIC	EQUIPMENT	YES	YES	2.50	0.31 K
CT	PS70.00 UNIV 501	FIBER GLASS	VINYL FACED MATL	PLASTIC	EQUIPMENT	YES	YES	3.00	0.31 K
CT	PS70.00 UNIV 501	FIBER GLASS	VINYL FACED MATL	PLASTIC	EQUIPMENT	YES	YES	3.50	0.31 K
CT	PS70.00 UNIV 501	FIBER GLASS	VINYL FACED MATL	PLASTIC	EQUIPMENT	YES	YES	4.00	0.31 K
CT	PS70.00 UNIV 501	FIBER GLASS	VINYL FACED MATL	PLASTIC	EQUIPMENT	YES	YES	4.50	0.31 K
CT	PS70.00 UNIV 501	FIBER GLASS	VINYL FACED MATL	PLASTIC	EQUIPMENT	YES	YES	5.00	0.31 K
CT	PS70.00 UNIV 501	FIBER GLASS	VINYL FACED MATL	PLASTIC	EQUIPMENT	YES	YES	5.50	0.31 K
CT	PS70.00 UNIV 501	FIBER GLASS	VINYL FACED MATL	PLASTIC	EQUIPMENT	YES	YES	6.00	0.31 K
CT	PS70.00 UNIV 751	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.00	0.28 K

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BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR RETARDER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
CT	PS70.00 UNIV 751	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.50	0.28 K
CT	PS70.00 UNIV 751	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.00	0.28 K
CT	PS70.00 UNIV 751	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.50	0.28 K
CT	PS70.00 UNIV 751	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.00	0.28 K
CT	PS70.00 UNIV 751	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.50	0.28 K
CT	PS70.00 UNIV 751	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.00	0.28 K
CT	PS70.00 UNIV 751	FIBER GLASS	FSK FACED MATL	METAL	EQUIPMENT	YES	YES	1.00	0.28 K
CT	PS70.00 UNIV 751	FIBER GLASS	FSK FACED MATL	METAL	EQUIPMENT	YES	YES	1.50	0.28 K
CT	PS70.00 UNIV 751	FIBER GLASS	FSK FACED MATL	METAL	EQUIPMENT	YES	YES	2.00	0.28 K
CT	PS70.00 UNIV 751	FIBER GLASS	FSK FACED MATL	METAL	EQUIPMENT	YES	YES	2.50	0.28 K
CT	PS70.00 UNIV 751	FIBER GLASS	FSK FACED MATL	METAL	EQUIPMENT	YES	YES	3.00	0.28 K
CT	PS70.00 UNIV 751	FIBER GLASS	FSK FACED MATL	METAL	EQUIPMENT	YES	YES	3.50	0.28 K
CT	PS70.00 UNIV 751	FIBER GLASS	FSK FACED MATL	METAL	EQUIPMENT	YES	YES	4.00	0.28 K
CT	PS70.00 UNIV 751	FIBER GLASS	VINYL FACED MATL	PLASTIC	EQUIPMENT	YES	YES	1.00	0.28 K
CT	PS70.00 UNIV 751	FIBER GLASS	VINYL FACED MATL	PLASTIC	EQUIPMENT	YES	YES	1.50	0.28 K
CT	PS70.00 UNIV 751	FIBER GLASS	VINYL FACED MATL	PLASTIC	EQUIPMENT	YES	YES	2.00	0.28 K
CT	PS70.00 UNIV 751	FIBER GLASS	VINYL FACED MATL	PLASTIC	EQUIPMENT	YES	YES	2.50	0.28 K
CT	PS70.00 UNIV 751	FIBER GLASS	VINYL FACED MATL	PLASTIC	EQUIPMENT	YES	YES	3.00	0.28 K
CT	PS70.00 UNIV 751	FIBER GLASS	VINYL FACED MATL	PLASTIC	EQUIPMENT	YES	YES	3.50	0.28 K
CT	PS70.00 UNIV 751	FIBER GLASS	VINYL FACED MATL	PLASTIC	EQUIPMENT	YES	YES	4.00	0.28 K
CT	PS70.00 UNIV 1001	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.00	0.28 K
CT	PS70.00 UNIV 1001	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.50	0.28 K
CT	PS70.00 UNIV 1001	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.00	0.28 K
CT	PS70.00 UNIV 1001	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.50	0.28 K
CT	PS70.00 UNIV 1001	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.00	0.28 K

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CT = CERTAINTEED

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR RETARDER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
CT	PS70.00 UNIV 1001	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.50	0.28 K
CT	PS70.00 UNIV 1001	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.00	0.28 K
CT	PS70.00 UNIV 1001	FIBER GLASS	FSK FACED MATL	METAL	EQUIPMENT	YES	YES	1.00	0.28 K
CT	PS70.00 UNIV 1001	FIBER GLASS	FSK FACED MATL	METAL	EQUIPMENT	YES	YES	1.50	0.28 K
CT	PS70.00 UNIV 1001	FIBER GLASS	FSK FACED MATL	METAL	EQUIPMENT	YES	YES	2.00	0.28 K
CT	PS70.00 UNIV 1001	FIBER GLASS	FSK FACED MATL	METAL	EQUIPMENT	YES	YES	2.50	0.28 K
CT	PS70.00 UNIV 1001	FIBER GLASS	FSK FACED MATL	METAL	EQUIPMENT	YES	YES	3.00	0.28 K
CT	PS70.00 UNIV 1001	FIBER GLASS	FSK FACED MATL	METAL	EQUIPMENT	YES	YES	3.50	0.28 K
CT	PS70.00 UNIV 1001	FIBER GLASS	FSK FACED MATL	METAL	EQUIPMENT	YES	YES	4.00	0.28 K
CT	PS70.00 UNIV 1001	FIBER GLASS	VINYL FACED MATL	PLASTIC	EQUIPMENT	YES	YES	1.00	0.28 K
CT	PS70.00 UNIV 1001	FIBER GLASS	VINYL FACED MATL	PLASTIC	EQUIPMENT	YES	YES	1.50	0.28 K
CT	PS70.00 UNIV 1001	FIBER GLASS	VINYL FACED MATL	PLASTIC	EQUIPMENT	YES	YES	2.00	0.28 K
CT	PS70.00 UNIV 1001	FIBER GLASS	VINYL FACED MATL	PLASTIC	EQUIPMENT	YES	YES	2.50	0.28 K
CT	PS70.00 UNIV 1001	FIBER GLASS	VINYL FACED MATL	PLASTIC	EQUIPMENT	YES	YES	3.00	0.28 K
CT	PS70.00 UNIV 1001	FIBER GLASS	VINYL FACED MATL	PLASTIC	EQUIPMENT	YES	YES	3.50	0.28 K
CT	PS70.00 UNIV 1001	FIBER GLASS	VINYL FACED MATL	PLASTIC	EQUIPMENT	YES	YES	4.00	0.28 K
CT	PS70.00 UNIV 1501	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.00	0.24 K
CT	PS70.00 UNIV 1501	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.50	0.24 K
CT	PS70.00 UNIV 1501	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.00	0.24 K
CT	PS70.00 UNIV 1501	FIBER GLASS	FSK FACED MATL	METAL	EQUIPMENT	YES	YES	1.00	0.24 K
CT	PS70.00 UNIV 1501	FIBER GLASS	FSK FACED MATL	METAL	EQUIPMENT	YES	YES	1.50	0.24 K
CT	PS70.00 UNIV 1501	FIBER GLASS	FSK FACED MATL	METAL	EQUIPMENT	YES	YES	2.00	0.24 K
CT	PS70.00 UNIV 1501	FIBER GLASS	VINYL FACED MATL	PLASTIC	EQUIPMENT	YES	YES	1.00	0.24 K
CT	PS70.00 UNIV 1501	FIBER GLASS	VINYL FACED MATL	PLASTIC	EQUIPMENT	YES	YES	1.50	0.24 K
CT	PS70.00 UNIV 1501	FIBER GLASS	VINYL FACED MATL	PLASTIC	EQUIPMENT	YES	YES	2.00	0.24 K

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BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICA-TIONS?	ACTS AS VAPOR RETARDER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORM-ANCE IN R,K, OR C VALUE
CT	PS70.00 UNIV 2001	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.00	0.23 K
CT	PS70.00 UNIV 2001	FIBER GLASS	FSK FACED MATL	METAL	EQUIPMENT	YES	YES	1.00	0.23 K
CT	PS70.00 UNIV 2001	FIBER GLASS	VINYL FACED MATL	PLASTIC	EQUIPMENT	YES	YES	1.00	0.23 K
CT	PS74.00 DCTWRP 75	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	1.50	0.29 K
CT	PS74.00 DCTWRP 75	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	2.00	0.29 K
CT	PS74.00 DCTWRP 75	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	2.25	0.29 K
CT	PS74.00 DCTWRP 75	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	2.50	0.29 K
CT	PS74.00 DCTWRP 75	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	3.00	0.29 K
CT	PS74.00 DCTWRP 75	FIBER GLASS	FSK FACED SGL MATL	METAL	DUCTS	YES	YES	1.50	0.29 K
CT	PS74.00 DCTWRP 75	FIBER GLASS	FSK FACED SGL MATL	METAL	DUCTS	YES	YES	2.00	0.29 K
CT	PS74.00 DCTWRP 75	FIBER GLASS	FSK FACED SGL MATL	METAL	DUCTS	YES	YES	2.125	0.29 K
CT	PS74.00 DCTWRP 75	FIBER GLASS	FSK FACED SGL MATL	METAL	DUCTS	YES	YES	2.25	0.29 K
CT	PS74.00 DCTWRP 75	FIBER GLASS	FSK FACED SGL MATL	METAL	DUCTS	YES	YES	2.50	0.29 K
CT	PS74.00 DCTWRP 75	FIBER GLASS	FSK FACED SGL MATL	METAL	DUCTS	YES	YES	3.00	0.29 K
CT	PS74.00 DCTWRP 75	FIBER GLASS	VINYL FCD SGL MATL	PLASTIC	DUCTS	YES	YES	1.50	0.29 K
CT	PS74.00 DCTWRP 75	FIBER GLASS	VINYL FCD SGL MATL	PLASTIC	DUCTS	YES	YES	2.00	0.29 K
CT	PS74.00 DCTWRP 75	FIBER GLASS	VINYL FCD SGL MATL	PLASTIC	DUCTS	YES	YES	2.125	0.29 K
CT	PS74.00 DCTWRP 75	FIBER GLASS	VINYL FCD SGL MATL	PLASTIC	DUCTS	YES	YES	2.25	0.29 K
CT	PS74.00 DCTWRP 75	FIBER GLASS	VINYL FCD SGL MATL	PLASTIC	DUCTS	YES	YES	2.50	0.29 K
CT	PS74.00 DCTWRP 75	FIBER GLASS	VINYL FCD SGL MATL	PLASTIC	DUCTS	YES	YES	3.00	0.29 K
CT	PS74.00 DCTWRP 100	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	1.50	0.26 K
CT	PS74.00 DCTWRP 100	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	2.00	0.26 K
CT	PS74.00 DCTWRP 100	FIBER GLASS	FSK FACED SGL MATL	METAL	DUCTS	YES	YES	1.50	0.26 K
CT	PS74.00 DCTWRP 100	FIBER GLASS	FSK FACED SGL MATL	METAL	DUCTS	YES	YES	2.00	0.26 K
CT	PS74.00 DCTWRP 100	FIBER GLASS	VINYL FCD SGL MATL	PLASTIC	DUCTS	YES	YES	1.50	0.26 K

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BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR RETARDER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
CT	PS74.00 DCTWRP 100	FIBER GLASS	VINYL FCD SGL MATL	PLASTIC	DUCTS	YES	YES	2.00	0.26 K
CT	PS74.00 DCTWRP 150	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	1.50	0.24 K
CT	PS74.00 DCTWRP 150	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	2.00	0.24 K
CT	PS74.00 DCTWRP 150	FIBER GLASS	FSK FACED SGL MATL	METAL	DUCTS	YES	YES	1.50	0.24 K
CT	PS74.00 DCTWRP 150	FIBER GLASS	FSK FACED SGL MATL	METAL	DUCTS	YES	YES	2.00	0.24 K
CT	PS74.00 DCTWRP 150	FIBER GLASS	VINYL FCD SGL MATL	PLASTIC	DUCTS	YES	YES	1.50	0.26 K
CT	PS74.00 DCTWRP 150	FIBER GLASS	VINYL FCD SGL MATL	PLASTIC	DUCTS	YES	YES	2.00	0.26 K
CT	PS78.11 SPEEDY R BATTS	FIBER GLASS	FACED SGL MATL	PAPER	WALLS	NO	YES	3.50	13.00 R
CT	PS78.11 SPEEDY R BATTS	FIBER GLASS	FACED SGL MATL	PAPER	WALLS	NO	YES	5.50	21.00 R
CT	PS78.11 SPEEDY R BATTS	FIBER GLASS	FACED SGL MATL	PAPER	WALLS	NO	YES	6.25	19.00 R
CT	PS78.18 PARTITN BATT	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	1.50	5.80 R
CT	PS78.26 EZR BATT	FIBER GLASS	FACED SGL MATL	PAPER	WALLS	NO	YES	3.50	13.00 R
CT	PS78.26 EZR BATT	FIBER GLASS	FACED SGL MATL	PAPER	WALLS	NO	YES	6.25	19.00 R
CT	PS78.27 BANDIT	FIBER GLASS	SINGLE MATERIAL	NONE	WALLS	YES	NO	3.50	13.00 R
CT	PS78.27 BANDIT	FIBER GLASS	SINGLE MATERIAL	NONE	WALLS	YES	NO	6.25	19.00 R
CT	PS78.70 ACUSTATHERM	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL	YES	NO	2.50	8.00 R
CT	PS78.70 ACUSTATHERM	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL	YES	NO	3.50	11.00 R
CT	PS78.70 ACUSTATHERM	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL	YES	NO	6.25	19.00 R
CT	PS78.70 ACUSTATHERM	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL	YES	NO	10.00	30.00 R
CT	PS78.70 ACUSTATHERM	FIBER GLASS	KRAFT FCD SGL MATL	PAPER	CLG WALL	NO	NO	3.50	11.00 R
CT	PS78.70 ACUSTATHERM	FIBER GLASS	KRAFT FCD SGL MATL	PAPER	CLG WALL	NO	NO	6.25	19.00 R
CT	PS78.71 THERMAL BATT	FIBER GLASS	KRAFT FCD SGL MATL	PAPER	CLG WALL	NO	YES	3.50	11.00 R
CT	PS78.71 THERMAL BATT	FIBER GLASS	KRAFT FCD SGL MATL	PAPER	CLG WALL	NO	YES	6.25	19.00 R
CT	PS78.72 THERMAL BATT	FIBER GLASS	FSK FACED SGL MATL	METAL	CLG WALL	YES	YES	3.50	11.00 R
CT	PS78.72 THERMAL BATT	FIBER GLASS	FSK FACED SGL MATL	METAL	CLG WALL	YES	YES	3.50	13.00 R

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BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICA-TIONS?	ACTS AS VAPOR RETARDER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORM-ANCE IN R,K, OR C VALUE
CT	PS78.72 THERMAL BATT	FIBER GLASS	FSK FACED SGL MATL	METAL	CLG WALL	YES	YES	6.25	19.00 R
CT	PS78.72 THERMAL BATT	FIBER GLASS	FSK FACED SGL MATL	METAL	CLG WALL	YES	YES	10.00	30.00 R
CT	PS78.72 THERMAL BATT	FIBER GLASS	FSK FACED SGL MATL	METAL	CLG WALL	YES	YES	12.00	38.00 R
CT	PS78.72 THERMAL BATT	FIBER GLASS	PSK FACED SGL MATL	OTHER	CLG WALL	YES	YES	6.25	19.00 R
CT	PS78.73 ACUSTATHERM	FIBER GLASS	FOIL FCD SGL MATL	METAL	CLG WALL	NO	YES	3.50	11.00 R
CT	PS78.73 ACUSTATHERM	FIBER GLASS	FOIL FCD SGL MATL	METAL	CLG WALL	NO	YES	3.50	13.00 R
CT	PS78.73 ACUSTATHERM	FIBER GLASS	FOIL FCD SGL MATL	METAL	CLG WALL	NO	YES	6.25	19.00 R
CT	PS78.73 ACUSTATHERM	FIBER GLASS	FOIL FCD SGL MATL	METAL	CLG WALL	NO	YES	10.00	30.00 R
CT	PS78.73 ACUSTATHERM	FIBER GLASS	FOIL FCD SGL MATL	METAL	CLG WALL	NO	YES	12.00	38.00 R
CT	PS81.10 FLAMECHEK	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	0.50	K
CT	PS81.10 FLAMECHEK	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	YES	1.50	K
CT	PS81.10 FLAMECHEK	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.00	K
CT	PS81.10 FLAMECHEK	FIBER GLASS	PSF FACED SGL MATL	PLASTIC	DUCTS	YES	YES	1.50	K
CT	PS81.10 FLAMECHEK	FIBER GLASS	PSF FACED SGL MATL	OTHER	DUCTS	YES	NO	2.00	K
CT	PS84.05 METAL BLDG	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	2.00	6.00 R
CT	PS84.05 METAL BLDG	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	2.50	8.00 R
CT	PS84.05 METAL BLDG	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	3.13	10.00 R
CT	PS84.05 METAL BLDG	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	3.50	11.00 R
CT	PS84.05 METAL BLDG	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	3.75	12.00 R
CT	PS84.05 METAL BLDG	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	4.13	13.00 R
CT	PS84.05 METAL BLDG	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	4.50	14.00 R
CT	PS84.05 METAL BLDG	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	5.00	16.00 R
CT	PS84.05 METAL BLDG	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	6.00	19.00 R
CT	PS84.05 METAL BLDG	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	6.25	20.00 R
CT	PS84.05 METAL BLDG	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	8.00	25.00 R

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BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICA-TIONS?	ACTS AS VAPOR RETARDER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORM-ANCE IN R,K, OR C VALUE
CT	PS86.00 COM BLKT INS	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	3.50	11.00 R
CT	PS86.00 COM BLKT INS	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	3.50	13.00 R
CT	PS86.00 COM BLKT INS	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	4.13	13.00 R
CT	PS86.00 COM BLKT INS	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	6.25	19.00 R
CT	PS86.00 COM BLKT INS	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	6.50	21.00 R
CT	PS86.00 COM BLKT INS	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	8.00	25.00 R
CT	PS86.00 COM BLKT INS	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	10.00	30.00 R
CT	SCUFB PS 78.04	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	2.50	8.00 R
CT	UFBR PS 78.01	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.50	11.00 R
CT	UFBR PS 78.01	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.50	13.00 R
CT	UFBR PS 78.01	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	6.25	19.00 R
CT	UFBR PS 78.01	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	6.50	22.00 R
CT	UFBR PS 78.01	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	8.00	25.00 R
CT	UFBR PS 78.01	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	8.38	26.00 R
CT	UFBR PS 78.01	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	10.00	30.00 R
CT	UFBR PS 78.01	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	12.00	38.00 R
CT	UFBR PS 78.01 HD	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.50	15.00 R
CT	UFBR PS 78.01 HD	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	5.50	21.00 R
CT	UFBR PS 78.20	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	
CT	UFMAB PS 78.06	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	NO	NO	1.75	6.00 R

* DESCRIPTION OF BRAND CODES
CT = CERTAINTEED

PRODUCT:
MINERAL FIBER BLANKETS

MANUFACTURER OR PRIVATE LABEL:
CGI/SILVERCOTE, INC.

REG NO. CA-T359(OH) PAGE 019

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE	
CGI	MBI-30R10	FIBERGLASS	FACED SINGLE MATL	PLASTIC	ROOF/WALL	YES	YES	3.00	10.00	R
CGI	MBI-40R10	FIBERGLASS	FACED SINGLE MATL	PLASTIC	ROOF/WALL	YES	YES	4.00	13.00	R
CGI	MBI-60R10	FIBERGLASS	FACED SINGLE MATL	PLASTIC	ROOF/WALL	YES	YES	6.00	19.00	R
CGI	MBI-30R10	FIBERGLASS	SINGLE MATERIAL	NONE	ROOF/WALL	YES	YES	3.00	10.00	R
CGI	MBI-40R10	FIBERGLASS	SINGLE MATERIAL	NONE	ROOF/WALL	YES	YES	4.00	13.00	R
CGI	MBI-60R10	FIBERGLASS	SINGLE MATERIAL	NONE	ROOF/WALL	YES	YES	6.00	19.00	R

* DESCRIPTION OF BRAND CODES
CGI = CGI/SILVERCOTE INC

PRODUCT:
MINERAL FIBER BLANKETS

MANUFACTURER OR PRIVATE LABEL:
CWCI INSULATION OF LA, INC.

REG NO. CA-T350

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
TWP	THERMAL-WRAP	FIBER GLASS	SINGLE MATERIAL	PLASTIC	EQUIPMENT	YES	YES	1.00	0.28 K
TWP	THERMAL-WRAP	FIBER GLASS	SINGLE MATERIAL	PLASTIC	EQUIPMENT	YES	YES	1.50	0.28 K
TWP	THERMAL-WRAP	FIBER GLASS	SINGLE MATERIAL	PLASTIC	EQUIPMENT	YES	YES	2.00	0.28 K
TWP	THERMAL-WRAP	FIBER GLASS	SINGLE MATERIAL	PLASTIC	EQUIPMENT	YES	YES	2.50	0.28 K
TWP	THERMAL-WRAP	FIBER GLASS	SINGLE MATERIAL	PLASTIC	EQUIPMENT	YES	YES	3.00	0.28 K
TWP	THERMAL-WRAP	FIBER GLASS	SINGLE MATERIAL	PLASTIC	EQUIPMENT	YES	YES	3.50	0.28 K
TWP	THERMAL-WRAP	FIBER GLASS	SINGLE MATERIAL	PLASTIC	EQUIPMENT	YES	YES	4.00	0.28 K

* DESCRIPTION OF BRAND CODES
TWP= THERMAL-WRAP

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
GFI	GA200	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GA250	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.50	11.00 R
GFI	GA251	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.50	11.00 R
GFI	GA252	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.62	13.00 R
GFI	GA254	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	6.25	19.00 R
GFI	GA255	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	6.25	19.00 R
GFI	GA256	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GA257	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GA258	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.62	13.00 R
GFI	GA259	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.62	13.00 R
GFI	GA260	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GA261	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GA267	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	8.50	25.00 R
GFI	GA268	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	8.50	25.00 R
GFI	GA270	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	8.50	25.00 R
GFI	GAF251	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GAF255	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GAF356	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GAF360	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GAF410	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GAF500	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GC1	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.50	11.00 R
GFI	GC11	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GC12	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.62	13.00 R
GFI	GC13	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	6.50	19.00 R

* DESCRIPTION OF BRAND CODES
GFI = GUARDIAN FIBERGLASS INC

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
GFI	GC14	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GC15	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.62	13.00 R
GFI	GC16	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GC17	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GC18	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.62	13.00 R
GFI	GC19	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GC2	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.62	13.00 R
GFI	GC26	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.50	11.00 R
GFI	GC27	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.62	13.00 R
GFI	GC28	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	6.25	19.00 R
GFI	GC29	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.50	11.00 R
GFI	GC3	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	6.25	19.00 R
GFI	GC30	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.62	13.00 R
GFI	GC31	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	6.25	19.00 R
GFI	GC32	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	6.25	19.00 R
GFI	GC33	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	7.50	22.00 R
GFI	GC38	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GC39	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.62	13.00 R
GFI	GC4	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.50	11.00 R
GFI	GC40	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GC41	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GC42	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.62	13.00 R
GFI	GC43	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GC44	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GC45	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.50	11.00 R

* DESCRIPTION OF BRAND CODES
GFI = GUARDIAN FIBERGLASS INC

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
GFI	GC48	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GC49	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	2.62	8.00 R
GFI	GC5	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.62	13.00 R
GFI	GC50	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	2.62	8.00 R
GFI	GC6	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	6.25	19.00 R
GFI	GG60	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	7.50	22.00 R
GFI	GC7	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.50	11.00 R
GFI	GC8	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.62	13.00 R
GFI	GC9	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	6.25	19.00 R
GFI	GCF22	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	7.50	22.00 R
GFI	GCF600	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GCF601	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	3.62	13.00 R
GFI	GCF602	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GCF603	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GCF604	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GCF605	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GCF606	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	3.62	13.00 R
GFI	GCF607	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	3.62	13.00 R
GFI	GCF608	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	3.62	13.00 R
GFI	GCF609	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GCF610	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	3.62	13.00 R
GFI	GCF611	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GCF612	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GCF613	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GCF614	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	3.50	11.00 R

* DESCRIPTION OF BRAND CODES
GFI = GUARDIAN FIBERGLASS INC

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
GFI	GCF615	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GCF616	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GD150	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.50	11.00 R
GFI	GD151	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.50	11.00 R
GFI	GD900	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GD901	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GD954	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	6.25	19.00 R
GFI	GD955	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	6.25	19.00 R
GFI	GD956	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GD957	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GD958	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.62	13.00 R
GFI	GD960	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GD961	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GDF500	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GDF850	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GDF851	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GDF854	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GDF855	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GP26	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.50	11.00 R
GFI	GP28	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	6.25	19.00 R
GFI	GP346	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.50	11.00 R
GFI	GP350	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.50	11.00 R
GFI	GP351	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.50	11.00 R
GFI	GP352	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.62	13.00 R
GFI	GP353	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.62	13.00 R

* DESCRIPTION OF BRAND CODES
GFI = GUARDIAN FIBERGLASS INC

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
GFI	GP354	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	6.25	19.00 R
GFI	GP355	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	6.25	19.00 R
GFI	GP356	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GP357	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GP358	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.62	13.00 R
GFI	GP359	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.62	13.00 R
GFI	GP360	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GP361	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GP365	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	9.50	30.00 R
GFI	GP400	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GP404	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GP467	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	8.50	25.00 R
GFI	GPF451	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GPF452	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	3.62	13.00 R
GFI	GPF453	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	3.62	13.00 R
GFI	GPF454	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GPF455	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GPF5	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GPF612	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GR10	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.62	13.00 R
GFI	GR100	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	9.50	30.00 R
GFI	GR101	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	9.50	30.00 R
GFI	GR102	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GR103	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	6.25	19.00 R
GFI	GR104	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	6.50	19.00 R

* DESCRIPTION OF BRAND CODES
GFI = GUARDIAN FIBERGLASS INC

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICA-TIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORM-ANCE IN R,K, OR C VALUE
GFI	GR105	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	6.25	19.00 R
GFI	GR106	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	9.50	30.00 R
GFI	GR107	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	9.50	30.00 R
GFI	GR108	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	9.50	30.00 R
GFI	GR109	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GR11	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.62	30.00 R
GFI	GR110	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	6.25	19.00 R
GFI	GR111	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	6.25	19.00 R
GFI	GR112	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GR113	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.62	13.00 R
GFI	GR114	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GR115	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	8.50	25.00 R
GFI	GR118	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	9.50	30.00 R
GFI	GR12	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.62	13.00 R
GFI	GR13	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	6.25	19.00 R
GFI	GR14	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.62	13.00 R
GFI	GR15	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.62	13.00 R
GFI	GR16	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	6.25	19.00 R
GFI	GR17	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	6.25	19.00 R
GFI	GR18	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	6.25	19.00 R
GFI	GR19	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	6.25	19.00 R
GFI	GR2	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.50	11.00 R
GFI	GR20	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	6.25	19.00 R
GFI	GR21	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GR23	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	12.00	38.00 R

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BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
GFI	GR24	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	12.00	38.00 R
GFI	GR25	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.50	11.00 R
GFI	GR27	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GR275	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GR28	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GR29	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GR3	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.50	11.00 R
GFI	GR30	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GR31	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GR32	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	9.50	30.00 R
GFI	GR33	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	9.50	30.00 R
GFI	GR34	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.62	13.00 R
GFI	GR35	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.62	13.00 R
GFI	GR36	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.62	13.00 R
GFI	GR37	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	9.50	30.00 R
GFI	GR38	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.62	13.00 R
GFI	GR39	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.62	13.00 R
GFI	GR4	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.50	11.00 R
GFI	GR40	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.62	13.00 R
GFI	GR42	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GR43	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	12.00	38.00 R
GFI	GR44	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	12.00	38.00 R
GFI	GR45	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	12.00	38.00 R
GFI	GR46	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	12.00	38.00 R
GFI	GR47	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	12.00	38.00 R

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BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
GFI	GR48	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GR49	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	6.50	19.00 R
GFI	GR5	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.50	11.00 R
GFI	GR50	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.62	13.00 R
GFI	GR51	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.62	13.00 R
GFI	GR54	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.62	13.00 R
GFI	GR55	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.62	13.00 R
GFI	GR56	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	9.50	30.00 R
GFI	GR6	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.50	11.00 R
GFI	GR61	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	2.62	8.00 R
GFI	GR62	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	2.62	8.00 R
GFI	GR63	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GR635	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GR64	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GR65	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GR66	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GR67	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	9.50	30.00 R
GFI	GR68	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	9.50	30.00 R
GFI	GR69	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	9.50	30.00 R
GFI	GR70	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.50	11.00 R
GFI	GR700	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	8.50	30.00 R
GFI	GR701	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	8.50	30.00 R
GFI	GR702	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	8.50	30.00 R
GFI	GR703	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	8.50	30.00 R
GFI	GR704	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	8.50	30.00 R

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BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
GFI	GR705	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	8.50	30.00 R
GFI	GR706	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.62	15.00 R
GFI	GR707	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.62	15.00 R
GFI	GR708	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.62	15.00 R
GFI	GR709	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.62	15.00 R
GFI	GR71	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.50	11.00 R
GFI	GR710	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	8.50	30.00 R
GFI	GR711	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	7.50	22.00 R
GFI	GR712	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.62	13.00 R
GFI	GR713	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.62	15.00 R
GFI	GR714	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.62	15.00 R
GFI	GR715	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	10.50	38.00 R
GFI	GR716	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	10.50	38.00 R
GFI	GR717	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	10.50	38.00 R
GFI	GR718	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	10.50	38.00 R
GFI	GR719	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	10.50	38.00 R
GFI	GR72	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	9.50	30.00 R
GFI	GR720	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	10.50	38.00 R
GFI	GR721	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	5.50	20.00 R
GFI	GR722	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	5.50	20.00 R
GFI	GR723	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	5.50	20.00 R
GFI	GR724	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	5.50	20.00 R
GFI	GR725	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	5.50	20.00 R
GFI	GR726	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	5.50	20.00 R
GFI	GR73	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	6.50	19.00 R

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BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
GFI	GR733	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	6.50	22.00 R
GFI	GR734	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	6.50	22.00 R
GFI	GR735	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	6.50	22.00 R
GFI	GR74	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	6.25	19.00 R
GFI	GR75	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	6.25	19.00 R
GFI	GR76	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	7.50	22.00 R
GFI	GR77	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	7.50	22.00 R
GFI	GR78	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	7.50	22.00 R
GFI	GR79	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	7.50	22.00 R
GFI	GR80	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GR81	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GR84	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GR85	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GR86	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	7.50	22.00 R
GFI	GR87	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	7.50	22.00 R
GFI	GR88	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	7.50	22.00 R
GFI	GR89	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	7.50	22.00 R
GFI	GRF33	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	9.50	30.00 R
GFI	GRF502	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GRF503	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GRF504	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GRF505	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GRF508	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	3.62	13.00 R
GFI	GRF509	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	3.62	13.00 R
GFI	GRF510	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	3.62	13.00 R

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BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICA-TIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORM-ANCE IN R,K, OR C VALUE
GFI	GRF511	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	3.62	13.00 R
GFI	GRF512	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	3.62	13.00 R
GFI	GRF513	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	3.62	13.00 R
GFI	GRF514	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	3.62	15.00 R
GFI	GRF515	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	3.62	15.00 R
GFI	GRF518	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GRF521	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	7.50	22.00 R
GFI	GRF522	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	7.50	22.00 R
GFI	GRF523	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	7.50	22.00 R
GFI	GRF526	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	12.00	38.00 R
GFI	GRF527	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	12.00	38.00 R
GFI	GRF528	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GRF529	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	9.50	30.00 R
GFI	GRF530	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	9.50	30.00 R
GFI	GRF531	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GRF532	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GRF533	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GRF534	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GRF535	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GRF536	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	9.50	30.00 R
GFI	GT106	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	9.50	30.00 R
GFI	GT107	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	9.50	30.00 R
GFI	GT108	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	9.50	30.00 R
GFI	GT23	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	12.00	38.00 R
GFI	GT24	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	12.00	38.00 R

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GFI	GT400	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GT404	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GT405	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.50	11.00 R
GFI	GT46	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	12.00	38.00 R
GFI	GT467	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	9.50	30.00 R
GFI	GT468	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	9.50	30.00 R
GFI	GT47	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	12.00	38.00 R
GFI	GT56	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	9.50	30.00 R
GFI	GT746	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GT750	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.50	11.00 R
GFI	GT751	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.50	11.00 R
GFI	GT752	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.62	13.00 R
GFI	GT753	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.62	13.00 R
GFI	GT754	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	6.25	19.00 R
GFI	GT755	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	6.25	19.00 R
GFI	GT756	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GT757	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GT758	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.62	13.00 R
GFI	GT759	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.62	13.00 R
GFI	GT760	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GT761	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GTF500	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GTF850	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GTF851	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GTF852	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	3.62	13.00 R

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GFI	GTF853	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	3.62	13.00 R
GFI	GTF854	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GTF855	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GU115	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GU116	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	8.50	25.00 R
GFI	GU146	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GU147	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GU150	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.50	11.00 R
GFI	GU151	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.50	11.00 R
GFI	GU152	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.62	13.00 R
GFI	GU153	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.62	13.00 R
GFI	GU154	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	6.25	19.00 R
GFI	GU155	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	6.25	19.00 R
GFI	GU156	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GU157	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GU158	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.62	13.00 R
GFI	GU159	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.62	13.00 R
GFI	GU160	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GU161	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GU162	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	9.50	30.00 R
GFI	GU163	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	9.50	30.00 R
GFI	GU165	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	9.50	30.00 R
GFI	GU167	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	8.50	25.00 R
GFI	GU168	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	8.50	25.00 R
GFI	GU169	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	8.50	25.00 R

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GFI	GU170	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	8.50	25.00 R
GFI	GU171	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GU172	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	12.00	38.00 R
GFI	GU312	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	6.25	19.00 R
GFI	GU313	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GU314	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.50	11.00 R
GFI	GU315	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GU316	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GU400	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GU401	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	6.25	19.00 R
GFI	GU402	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	9.50	30.00 R
GFI	GU403	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	9.50	30.00 R
GFI	GU404	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GU405	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.50	11.00 R
GFI	GU406	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GU407	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	9.50	30.00 R
GFI	GU408	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.50	11.00 R
GFI	GU409	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	9.50	30.00 R
GFI	GU410	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GU411	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.62	13.00 R
GFI	GU412	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.62	13.00 R
GFI	GU413	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.62	13.00 R
GFI	GU144	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.62	13.00 R
GFI	GU444	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GU450	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	6.25	19.00 R

* DESCRIPTION OF BRAND CODES
GFI = GUARDIAN FIBERGLASS INC

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
GFI	GU467	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	8.50	25.00 R
GFI	GU468	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	8.50	25.00 R
GFI	GU469	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	8.50	25.00 R
GFI	GU470	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	8.50	25.00 R
GFI	GUF250	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GUF251	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GUF252	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	3.62	13.00 R
GFI	GUF253	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	3.62	13.00 R
GFI	GUF254	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GUF255	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GUF267	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	8.50	25.00 R
GFI	GUF410	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GUF411	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	3.62	13.00 R
GFI	GUF412	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	3.62	13.00 R
GFI	GUF500	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	3.50	11.00 R
GFI	GUF511	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	NO	YES	6.50	19.00 R
GFI	GX111	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	YES	YES	3.50	11.00 R
GFI	GX112	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	YES	YES	3.50	11.00 R
GFI	GX113	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	YES	YES	3.50	11.00 R
GFI	GX114	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	YES	YES	3.50	11.00 R
GFI	GX115	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	YES	YES	3.50	11.00 R
GFI	GX116	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	YES	YES	3.62	13.00 R
GFI	GX117	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	YES	YES	3.62	13.00 R
GFI	GX118	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	YES	YES	3.50	11.00 R
GFI	GX119	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	YES	YES	3.50	11.00 R

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GFI = GUARDIAN FIBERGLASS INC

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
GFI	GX120	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	YES	YES	6.00	19.00 R
GFI	GX121	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	YES	YES	6.00	19.00 R
GFI	GX122	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	YES	YES	9.50	30.00 R
GFI	GX191	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	YES	YES	6.00	19.00 R
GFI	GX192	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	YES	YES	6.00	19.00 R
GFI	GX193	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	YES	YES	6.00	19.00 R
GFI	GX194	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	YES	YES	6.00	19.00 R
GFI	GX301	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	YES	YES	9.50	30.00 R
GFI	GX302	FIBER GLASS	FACED SINGLE MATL	FOIL	CLG WALL FLR	YES	YES	9.50	30.00 R

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GFI = GUARDIAN FIBERGLASS INC

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
ISQ	INSULQUILT2	FIBER GLASS	COMPOSITE	FIBER GLS**	CLG WALL FLR	YES	YES	2.00	8.20 R

**FIBER GLASS CLOTH FACING

* DESCRIPTION OF BRAND CODES
ISQ = INSUL-QUILTS

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
IST	INSULWRAP 850	FIBER GLASS	SINGLE MATERIAL	PLASTIC	EQUIPMENT	YES	YES	1.00	0.27 K
IST	INSULWRAP 850	FIBER GLASS	SINGLE MATERIAL	PLASTIC	EQUIPMENT	YES	YES	1.50	0.27 K
IST	INSULWRAP 850	FIBER GLASS	SINGLE MATERIAL	PLASTIC	EQUIPMENT	YES	YES	2.00	0.27 K
IST	INSULWRAP 850	FIBER GLASS	SINGLE MATERIAL	PLASTIC	EQUIPMENT	YES	YES	2.50	0.27 K
IST	INSULWRAP 850	FIBER GLASS	SINGLE MATERIAL	PLASTIC	EQUIPMENT	YES	YES	3.00	0.27 K
IST	INSULWRAP 850	FIBER GLASS	SINGLE MATERIAL	PLASTIC	EQUIPMENT	YES	YES	3.50	0.27 K
IST	INSULWRAP 850	FIBER GLASS	SINGLE MATERIAL	PLASTIC	EQUIPMENT	YES	YES	4.00	0.27 K

* DESCRIPTION OF BRAND CODES
IST = INSUL-THERM

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
JM	ALL PURPOSE	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	1.00	3.20 R
JM	B.I. R7 KF	FIBER GLASS	FACED SINGLE MATL	PAPER	WALL	NO	YES	2.50	7.00 R
JM	B.I. R7 KF	FIBER GLASS	FACED SINGLE MATL	PAPER	WALL	NO	YES	2.75	7.00 R
JM	B.I. R7 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	2.50	7.00 R
JM	B.I. R7 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	2.75	7.00 R
JM	B.I. R11 KF/FF	FIBER GLASS	FACED SINGLE MATL	PAP/MTL	WALL	NO	YES	3.50	11.00 R
JM	B.I. R11 KF/FF	FIBER GLASS	FACED SINGLE MATL	PAP/MTL	WALL	NO	YES	3.63	11.00 R
JM	B.I. R11 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	3.50	11.00 R
JM	B.I. R11 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	3.63	11.00 R
JM	B.I. R13 KF/FF	FIBER GLASS	FACED SINGLE MATL	PAP/MTL	WALL	NO	YES	3.50	13.00 R
JM	B.I. R13 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	3.50	13.00 R
JM	B.I. R15 KF/FF	FIBER GLASS	FACED SINGLE MATL	PAP/MTL	WALL	NO	YES	3.50	15.00 R
JM	B.I. R15 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	3.50	15.00 R
JM	B.I. R19 KF/FF	FIBER GLASS	FACED SINGLE MATL	PAP/MTL	CLG WALL FLR	NO	YES	6.25	19.00 R
JM	B.I. R19 KF/FF	FIBER GLASS	FACED SINGLE MATL	PAP/MTL	CLG WALL FLR	NO	YES	6.50	19.00 R
JM	B.I. R19 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	6.25	19.00 R
JM	B.I. R19 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	6.50	19.00 R
JM	B.I. R21 KF/FF	FIBER GLASS	FACED SINGLE MATL	PAP/MTL	WALL	NO	YES	5.50	21.00 R
JM	B.I. R21 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	5.50	21.00 R
JM	B.I. R22 KF/FF	FIBER GLASS	FACED SINGLE MATL	PAP/MTL	CEILING	NO	YES	7.50	22.00 R
JM	B.I. R22 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	7.50	22.00 R
JM	B.I. R25 KF/FF	FIBER GLASS	FACED SINGLE MATL	PAP/MTL	CEILING	NO	YES	8.25	25.00 R
JM	B.I. R25 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	8.25	25.00 R
JM	B.I. R26 KF/FF	FIBER GLASS	FACED SINGLE MATL	PAP/MTL	CEILING	NO	YES	8.75	26.00 R

NOTE: KF = Kraft-Faced UNF = Unfaced KF/FF = Kraft-Faced Formaldehyde-Free

* DESCRIPTION OF BRAND CODES
JM = JOHNS MANVILLE

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
JM	B.I. R26 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	8.75	26.00 R
JM	B.I. R30 KF/FF	FIBER GLASS	FACED SINGLE MATL	PAP/MTL	CEILING	NO	YES	8.25	30.00 R
JM	B.I. R30 KF/FF	FIBER GLASS	FACED SINGLE MATL	PAP/MTL	CEILING	NO	YES	10.25	30.00 R
JM	B.I. R30 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	8.25	30.00 R
JM	B.I. R30 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	10.25	30.00 R
JM	B.I. R38 KF/FF	FIBER GLASS	FACED SINGLE MATL	PAP/MTL	CEILING	NO	YES	10.25	38.00 R
JM	B.I. R38 KF/FF	FIBER GLASS	FACED SINGLE MATL	PAP/MTL	CEILING	NO	YES	13.00	38.00 R
JM	B.I. R38 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	10.25	38.00 R
JM	B.I. R38 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	13.00	38.00 R
JM	CHICK-INSUL	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.50	11.00 R
JM	CHICK-INSUL	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	6.50	19.00 R
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	0.50	0.31 C
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	0.75	0.31 C
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	1.00	0.31 C
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	1.25	0.31 C
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	1.50	0.31 C
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	1.75	0.31 C
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	2.00	0.31 C
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	0.50	0.29 C
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	0.75	0.29 C
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	1.00	0.29 C
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	1.25	0.29 C
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	1.50	0.29 C
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	1.75	0.29 C

NOTE: UNF = Unfaced KK/FF = Kraft-Faced Formaldehyde-Free

* DESCRIPTION OF BRAND CODES
JM = JOHNS MANVILLE

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	2.00	0.29 C
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	0.50	0.27 C
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	0.75	0.27 C
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	1.00	0.27 C
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	1.25	0.27 C
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	1.50	0.27 C
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	1.00	0.25 C
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	0.50	0.23 C
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	0.50	0.23 C
JM	COAT MCLT	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	0.50	0.22 C
JM	COMFORTTHERM	FIBER GLASS	FACED SINGLE MATL	PLASTIC	WALL	YES	YES	3.50	11.00 R
JM	COMFORTTHERM	FIBER GLASS	FACED SINGLE MATL	PLASTIC	WALL	YES	YES	3.50	13.00 R
JM	COMFORTTHERM	FIBER GLASS	FACED SINGLE MATL	PLASTIC	WALL	YES	YES	3.50	15.00 R
JM	COMFORTTHERM	FIBER GLASS	FACED SINGLE MATL	PLASTIC	CLG WALL FLR	YES	YES	6.50	19.00 R
JM	COMFORTTHERM	FIBER GLASS	FACED SINGLE MATL	PLASTIC	WALL	YES	YES	5.50	21.00 R
JM	COMFORTTHERM	FIBER GLASS	FACED SINGLE MATL	PLASTIC	CLG	YES	NO	8.25	25.00 R
JM	COMFORTTHERM	FIBER GLASS	FACED SINGLE MATL	PLASTIC	CLG	YES	YES	10.25	30.00 R
JM	CTHERM	FIBER GLASS	FACED SINGLE MATL	PLASTIC	WALL	YES	YES	3.63	11.00 R
JM	EASYFIT	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	3.50	11.00 R
JM	EASYFIT	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	3.50	13.00 R
JM	EASYFIT	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	3.50	15.00 R
JM	EASYFIT	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	5.50	21.00 R
JM	EASYFIT	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	6.50	19.00 R
JM	EASYFIT	FIBER GLASS	FACED SINGLE MATL	KRAFT	CLG WALL FLR	NO	YES	3.50	11.00 R
JM	EASYFIT	FIBER GLASS	FACED SINGLE MATL	KRAFT	CLG WALL FLR	NO	YES	3.50	13.00 R

* DESCRIPTION OF BRAND CODES
JM = JOHNS MANVILLE

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICA-TIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORM-ANCE IN R,K, OR C VALUE
JM	EASYFIT	FIBER GLASS	FACED SINGLE MATL	KRAFT	CLG WALL FLR	NO	YES	3.50	15.00 R
JM	EASYFIT	FIBER GLASS	FACED SINGLE MATL	KRAFT	CLG WALL FLR	NO	YES	5.50	21.00 R
JM	EASYFIT	FIBER GLASS	FACED SINGLE MATL	KRAFT	CLG WALL FLR	NO	YES	6.50	19.00 R
JM	EXACT-O-BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	0.13	0.22 K
JM	EXACT-O-BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	0.25	0.22 K
JM	EXACT-O-BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	0.38	0.23 K
JM	EXACT-O-KOTE	FIBER GLASS	COMPOSITE	NONE	EQUIPMENT	NO	NO	0.50	0.48 C
JM	EXACT-O-KOTE	FIBER GLASS	COMPOSITE	NONE	EQUIPMENT	NO	NO	0.75	0.36 C
JM	EXACT-O-KOTE	FIBER GLASS	COMPOSITE	NONE	EQUIPMENT	NO	NO	1.00	0.24 C
JM	EXACT-O-MAT	FIBER GLASS	FACED SINGLE MATL	PAPER	EQUIPMENT	YES	NO	0.75	0.37 C
JM	EXACT-O-MAT	FIBER GLASS	FACED SINGLE MATL	PAPER	EQUIPMENT	YES	NO	1.00	0.28 C
JM	EXACT-O-MAT	FIBER GLASS	FACED SINGLE MATL	PAPER	EQUIPMENT	YES	NO	1.50	0.19 C
JM	EXACT-O-MAT	FIBER GLASS	FACED SINGLE MATL	PAPER	EQUIPMENT	YES	NO	2.00	0.14 C
JM	EXACT-O-MAT	FIBER GLASS	FACED SINGLE MATL	PAPER	EQUIPMENT	YES	NO	0.50	0.25 C
JM	EXACT-O-MAT	FIBER GLASS	FACED SINGLE MATL	PAPER	EQUIPMENT	YES	NO	1.00	0.24 C
JM	EXACT-O-MAT	FIBER GLASS	FACED SINGLE MATL	PAPER	EQUIPMENT	YES	NO	1.50	0.16 C
JM	EXACT-O-MAT	FIBER GLASS	FACED SINGLE MATL	PAPER	EQUIPMENT	YES	NO	2.00	0.13 C
JM	EXACT-O-MAT	FIBER GLASS	FACED SINGLE MATL	PAPER	EQUIPMENT	YES	NO	0.38	0.22 C
JM	EXACT-O-MAT	FIBER GLASS	FACED SINGLE MATL	PAPER	EQUIPMENT	YES	NO	0.25	0.23 C
JM	EXACT-O-MAT	FIBER GLASS	FACED SINGLE MATL	PAPER	EQUIPMENT	YES	NO	0.25	0.24 C
JM	FAB BD 2405	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	0.50	0.25 K
JM	FAB BD 2405	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.00	0.25 K
JM	FAB BD 2405	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.50	0.25 K
JM	FAB BD 2405	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.00	0.25 K
JM	FAB BD 2405	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.50	0.25 K

* DESCRIPTION OF BRAND CODES
JM = JOHNS MANVILLE

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
JM	FAB BD 2405	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.00	0.25 K
JM	FAB BD 2405	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.50	0.25 K
JM	FAB BD 2405	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.00	0.25 K
JM	FAB BD 3005	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	0.50	0.25 K
JM	FAB BD 3005	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.00	0.25 K
JM	FAB BD 3005	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.50	0.25 K
JM	FAB BD 3005	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.00	0.25 K
JM	FAB BD 3005	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.50	0.25 K
JM	FAB BD 3005	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.00	0.25 K
JM	FAB BD 3005	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.50	0.25 K
JM	FAB BD 3005	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.00	0.25 K
JM	FAB BD 3008	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	0.50	0.25 K
JM	FAB BD 3008	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.00	0.25 K
JM	FAB BD 3008	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.50	0.25 K
JM	FAB BD 3008	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.00	0.25 K
JM	FAB BD 3008	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.50	0.25 K
JM	FAB BD 3008	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.00	0.25 K
JM	FAB BD 3008	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.50	0.25 K
JM	FAB BD 3008	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.00	0.25 K
JM	FAB BD 3012	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	0.50	0.25 K
JM	FAB BD 3012	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.00	0.25 K
JM	FAB BD 3012	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.50	0.25 K
JM	FAB BD 3012	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.00	0.25 K
JM	FAB BD 3012	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.50	0.25 K
JM	FAB BD 3012	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.00	0.25 K

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BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
JM	FAB BD 3012	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.50	0.25 K
JM	FAB BD 3012	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.00	0.25 K
JM	FACED MBI	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	CLG WALL FLR	YES	YES	1.63	6.00 R
JM	FACED MBI	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	CLG WALL FLR	YES	YES	1.88	6.00 R
JM	FACED MBI	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	CLG WALL FLR	YES	YES	3.13	10.00 R
JM	FACED MBI	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	CLG WALL FLR	YES	YES	3.50	11.00 R
JM	FACED MBI	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	CLG WALL FLR	YES	YES	4.13	13.00 R
JM	FACED MBI	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	CLG WALL FLR	YES	YES	5.00	16.00 R
JM	FACED MBI	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	CLG WALL FLR	YES	YES	6.25	19.00 R
JM	FLEX-GLAS PC 100	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	1.50	4.20 R
JM	FLEX-GLAS PC 110	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	2.00	6.00 R
JM	FLEX-GLAS PC 120	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	1.50	4.30 R
JM	FLEX-GLAS PC 125	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	1.50	4.20 R
JM	FLEX-GLAS PC 130	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	2.00	6.00 R
JM	FLEX-GLAS PC 135	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	2.50	8.00 R
JM	HTB 23	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.00	0.23 K
JM	HTB 23	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.50	0.23 K
JM	HTB 23	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.00	0.23 K
JM	HTB 26	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.00	0.26 K
JM	HTB 26	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.50	0.26 K
JM	HTB 26	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.00	0.26 K
JM	HTB 26	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.50	0.26 K
JM	HTB 26	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.00	0.26 K
JM	HTB 26	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.50	0.26 K
JM	HTB 26	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.00	0.26 K

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JM	INCOMB MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.00	0.28 K
JM	INCOMB MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.50	0.28 K
JM	INCOMB MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.00	0.28 K
JM	INCOMB MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.50	0.28 K
JM	INCOMB MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.00	0.28 K
JM	MASONRY WALL	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	0.75	3.00 R
JM	MASONRY WALL	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.13	3.40 R
JM	MASONRY WALL	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.50	6.00 R
JM	MASONRY WALL	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.88	5.00 R
JM	MICRO-FLEX AP/FSK	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/PIPES	YES	YES	1.00	0.24 K
JM	MICRO-FLEX AP/FSK	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/PIPES	YES	YES	1.50	0.24 K
JM	MICRO-FLEX AP/FSK	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/PIPES	YES	YES	2.00	0.24 K
JM	MICRO-FLEX AP/FSK	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/PIPES	YES	YES	2.50	0.24 K
JM	MICRO-FLEX AP/FSK	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/PIPES	YES	YES	3.00	0.24 K
JM	MICRO-FLEX AP/FSK	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/PIPES	YES	YES	3.50	0.24 K
JM	MICRO-FLEX AP/FSK	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/PIPES	YES	YES	4.00	0.24 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	0.25	0.31 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	0.38	0.31 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	0.50	0.31 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	0.75	0.31 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	1.00	0.31 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	1.25	0.31 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	1.50	0.31 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	1.75	0.31 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	2.00	0.31 K

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JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	2.25	0.31 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	2.50	0.31 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	2.75	0.31 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	3.00	0.31 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	3.25	0.31 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	3.50	0.31 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	3.75	0.31 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	4.00	0.31 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.25	0.31 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.38	0.31 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.50	0.31 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.75	0.31 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.00	0.31 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.25	0.31 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.50	0.31 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.75	0.31 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.00	0.31 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.25	0.31 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.50	0.31 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.75	0.31 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	3.00	0.31 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	3.25	0.31 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	3.50	0.31 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	3.75	0.31 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	4.00	0.31 K

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JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	1.50	0.30 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	0.25	0.29 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	0.38	0.29 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	0.50	0.29 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	0.75	0.29 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	1.00	0.29 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	1.25	0.29 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	1.50	0.29 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	1.75	0.29 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	2.00	0.29 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	2.25	0.29 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	2.50	0.29 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	2.75	0.29 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	3.00	0.29 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	3.25	0.29 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	3.50	0.29 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	3.75	0.29 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	4.00	0.29 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.25	0.29 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.38	0.29 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.50	0.29 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.75	0.29 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.00	0.29 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.25	0.29 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.50	0.29 K

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JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.75	0.29 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.00	0.29 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.25	0.29 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.50	0.29 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.75	0.29 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	3.00	0.29 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	3.25	0.29 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	3.50	0.29 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	3.75	0.29 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	4.00	0.29 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	0.25	0.27 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	0.38	0.27 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	0.50	0.27 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	0.75	0.27 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	1.00	0.27 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	1.25	0.27 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	1.50	0.27 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	1.75	0.27 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	2.00	0.27 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	2.25	0.27 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	2.50	0.27 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	2.75	0.27 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	3.00	0.27 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	3.25	0.27 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	3.50	0.27 K

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JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	3.75	0.27 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	4.00	0.27 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.25	0.27 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.38	0.27 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.50	0.27 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.75	0.27 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.00	0.27 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.25	0.27 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.50	0.27 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.75	0.27 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.00	0.27 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.25	0.27 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.50	0.27 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.75	0.27 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	3.00	0.27 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	3.25	0.27 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	3.50	0.27 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	3.75	0.27 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	4.00	0.27 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	0.25	0.25 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	0.38	0.25 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	0.50	0.25 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	0.75	0.25 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	1.00	0.25 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	1.25	0.25 K

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BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICA-TIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORM-ANCE IN R,K, OR C VALUE
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	1.50	0.25 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	1.75	0.25 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	2.00	0.25 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.25	0.25 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	TES	YES	0.38	0.25 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.50	0.25 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.75	0.25 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.00	0.25 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.25	0.25 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.50	0.25 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.75	0.25 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.00	0.25 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	0.25	0.23 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	0.38	0.23 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	0.50	0.23 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	0.75	0.23 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	1.00	0.23 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	1.25	0.23 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	1.50	0.23 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.25	0.23 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.38	0.23 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.50	0.23 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.75	0.23 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.00	0.23 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.25	0.23 K

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JM = JOHNS MANVILLE

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICA-TIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORM-ANCE IN R,K, OR C VALUE
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.50	0.23 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	0.25	0.22 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	0.50	0.22 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	0.75	0.22 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.25	0.22 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.50	0.22 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.75	0.22 K
JM	MICROLITE L	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL	YES	NO	2.95	10.00 R
JM	MICROLITE L	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL	YES	NO	3.30	11.00 R
JM	MICROLITE L	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL	YES	NO	3.85	13.00 R
JM	MICROLITE L	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL	YES	NO	5.60	19.00 R
JM	MICROLITE L	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	ROOF	YES	NO	2.95	10.00 R
JM	MICROLITE L	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	ROOF	YES	NO	3.85	13.00 R
JM	MICROLITE L	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	ROOF	YES	NO	5.60	19.00 R
JM	MICROLITE MPR	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	ROOF	YES	NO	3.30	11.00 R
JM	MICROMAT	FIBER GLASS	SYSTEM	PLASTIC	EQUIPMENT	NO	NO	0.50	0.48 C
JM	MICROMAT	FIBER GLASS	SYSTEM	PLASTIC	EQUIPMENT	NO	NO	1.00	0.24 C
JM	MOBINSUL R7 KF	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	2.50	7.00 R
JM	MOBINSUL R7 KF	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	2.75	7.00 R
JM	MOBINSUL R7 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	2.50	7.00 R
JM	MOBINSUL R7 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	2.75	7.00 R
JM	MOBINSUL R11 KF	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.50	11.00 R
JM	MOBINSUL R11 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.50	11.00 R
JM	MOBINSUL R11 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	4.00	11.00 R
JM	MOBINSUL R14 KF	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	5.00	14.00 R

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JM	MOBINSUL R14 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	5.00	14.00 R
JM	MOBINSUL R19 KF	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	6.50	19.00 R
JM	MOBINSUL R19 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	6.50	19.00 R
JM	MULTI-PURPOSE	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	1.00	3.00 R
JM	PAN-INSUL	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	3.00	10.00 R
JM	PANEL DECK FSK	FIBER GLASS	FACED SINGLE MATL	METAL	ROOF DECK	YES	YES	3.50	11.00 R
JM	PANEL DECK FSK	FIBER GLASS	FACED SINGLE MATL	METAL	ROOF DECK	YES	YES	6.75	19.00 R
JM	PANEL DECK PSK	FIBER GLASS	FACED SINGLE MATL	PSK	ROOF DECK	YES	YES	6.25	30.00 R
JM	PEBS BLANKET	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	6.38	19.00 R
JM	PEBS BLANKET	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	8.00	24.00 R
JM	PEBS BLANKET	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	9.25	30.00 R
JM	PRECIPITATOR SG	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.00	0.23 K
JM	PRECIPITATOR SG	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.50	0.23 K
JM	PRECIPITATOR SG	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.00	0.23 K
JM	PRECIPITATOR SG	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.50	0.23 K
JM	PRECIPITATOR SG	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.00	0.23 K
JM	PRECIPITATOR SG	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.50	0.23 K
JM	R11 FSK	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	YES	YES	3.50	11.00 R
JM	R11 FSK	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	YES	YES	3.63	11.00 R
JM	R11 KF	FIBER GLASS	FACED SINGLE MATL	PAPER	WALL	NO	YES	3.63	11.00 R
JM	R11 UNF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	3.63	11.00 R
JM	R19 FSK	FIBER GLASS	FACED SINGLE MATL	METAL	CLG WALL	YES	YES	6.50	19.00 R
JM	R30 FSK	FIBER GLASS	FACED SINGLE MATL	METAL	CEILING	YES	YES	8.25	30.00 R
JM	R30 FSK	FIBER GLASS	FACED SINGLE MATL	METAL	CEILING	YES	YES	10.25	30.00 R
JM	SG-28	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.25	0.28 K

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JM	SG-28	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.38	0.28 K
JM	SG-28	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.50	0.28 K
JM	SG-28	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.63	0.28 K
JM	SG-28	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.75	0.28 K
JM	SG-28	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.88	0.28 K
JM	SG-28	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.00	0.28 K
JM	SG-28	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.13	0.28 K
JM	SG-28	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.25	0.28 K
JM	SG-28	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.38	0.28 K
JM	SG-28	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.50	0.28 K
JM	SG-28	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.63	0.28 K
JM	SG-28	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.75	0.28 K
JM	SG-28	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.88	0.28 K
JM	SG-28	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	5.00	0.28 K
JM	SG-28	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	5.13	0.28 K
JM	SG-28	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	5.25	0.28 K
JM	SG-28	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	5.38	0.28 K
JM	SG-28	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	5.50	0.28 K
JM	SG-28	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	5.63	0.28 K
JM	SG-28	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	5.75	0.28 K
JM	SG-28	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	5.88	0.28 K
JM	SG-28	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	6.00	0.28 K
JM	SG-30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.00	0.30 K
JM	SG-30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.13	0.30 K
JM	SG-30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.25	0.30 K

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JM	SG-30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.38	0.30 K
JM	SG-30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.50	0.30 K
JM	SG-30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.63	0.30 K
JM	SG-30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.75	0.30 K
JM	SG-30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.88	0.30 K
JM	SG-30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.00	0.30 K
JM	SG-30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.13	0.30 K
JM	SG-30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.25	0.30 K
JM	SG-30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.38	0.30 K
JM	SG-30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.50	0.30 K
JM	SG-30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.63	0.30 K
JM	SG-30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.75	0.30 K
JM	SG-30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.88	0.30 K
JM	SG-30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.00	0.30 K
JM	SG-30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.13	0.30 K
JM	SG-30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.25	0.30 K
JM	SG-30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.38	0.30 K
JM	SG-30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.50	0.30 K
JM	SG-30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.63	0.30 K
JM	SG-30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.75	0.30 K
JM	SG-30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.88	0.30 K
JM	SG-30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.00	0.30 K
JM	SG-30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.13	0.30 K
JM	SG-30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.25	0.30 K
JM	SG-30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.38	0.30 K

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JM	SG-30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.50	0.30 K
JM	SG-30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.63	0.30 K
JM	SG-30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.75	0.30 K
JM	SG-30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.88	0.30 K
JM	SG-30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	5.00	0.30 K
JM	SG-30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	5.13	0.30 K
JM	SG-30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	5.25	0.30 K
JM	SG-30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	5.38	0.30 K
JM	SG-30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	5.50	0.30 K
JM	SG-30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	5.63	0.30 K
JM	SG-30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	5.75	0.30 K
JM	SG-30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	5.88	0.30 K
JM	SG-30	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	6.00	0.30 K
JM	SGR-2	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	0.75	0.23 K
JM	SGR-2	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.00	0.23 K
JM	SGR-2	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.25	0.23 K
JM	SGR-2	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.50	0.23 K
JM	SGR-2	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.75	0.23 K
JM	SGR-2	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.00	0.23 K
JM	SGR-2	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.25	0.23 K
JM	SGR-2	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.50	0.23 K
JM	SGR-2	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.75	0.23 K
JM	SGR-2	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.00	0.23 K
JM	SGR-3	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.00	0.23 K
JM	SGR-3	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.25	0.23 K

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JM	SGR-3	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.50	0.23 K
JM	SGR-3	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.75	0.23 K
JM	SGR-3	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.00	0.23 K
JM	SGR-3	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.25	0.23 K
JM	SGR-3	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.50	0.23 K
JM	SGR-3	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.75	0.23 K
JM	SGR-3	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.00	0.23 K
JM	SGR-3	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.25	0.23 K
JM	SGR-3	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.50	0.23 K
JM	SGR-3	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.75	0.23 K
JM	SGR-3	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.00	0.23 K
JM	SGR-3	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.25	0.23 K
JM	SGR-3	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.50	0.23 K
JM	SGR-3	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.75	0.23 K
JM	SGR-3	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	5.00	0.23 K
JM	SGR-3	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	5.25	0.23 K
JM	SGR-3	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	5.50	0.23 K
JM	SGR-3	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	5.75	0.23 K
JM	SGR-3	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	6.00	0.23 K
JM	SGR-4	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.00	0.24 K
JM	SGR-4	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.25	0.24 K
JM	SGR-4	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.50	0.24 K
JM	SGR-4	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.75	0.24 K
JM	SGR-4	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.00	0.24 K
JM	SGR-4	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.25	0.24 K

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JM	SGR-4	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.50	0.24 K
JM	SGR-4	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.75	0.24 K
JM	SGR-4	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.00	0.24 K
JM	SGR-4	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.25	0.24 K
JM	SGR-4	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.50	0.24 K
JM	SGR-4	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.75	0.24 K
JM	SGR-4	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.00	0.24 K
JM	SGR-4	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.25	0.24 K
JM	SGR-4	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.50	0.24 K
JM	SGR-4	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.75	0.24 K
JM	SGR-4	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	5.00	0.24 K
JM	SGR-4	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	5.25	0.24 K
JM	SGR-4	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	5.50	0.24 K
JM	SGR-4	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	5.75	0.24 K
JM	SGR-4	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	6.00	0.24 K
JM	SGR-6	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.00	0.26 K
JM	SGR-6	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.25	0.26 K
JM	SGR-6	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.50	0.26 K
JM	SGR-6	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.75	0.26 K
JM	SGR-6	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.00	0.26 K
JM	SGR-6	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.25	0.26 K
JM	SGR-6	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.50	0.26 K
JM	SGR-6	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.75	0.26 K
JM	SGR-6	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.00	0.26 K
JM	SGR-6	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.25	0.26 K

* DESCRIPTION OF BRAND CODES
JM = JOHNS MANVILLE

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICA-TIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORM-ANCE IN R,K, OR C VALUE
JM	SGR-6	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.50	0.26 K
JM	SGR-6	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.75	0.26 K
JM	SGR-6	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.00	0.26 K
JM	SGR-6	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.25	0.26 K
JM	SGR-6	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.50	0.26 K
JM	SGR-6	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.75	0.26 K
JM	SGR-6	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	5.00	0.26 K
JM	SGR-6	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	5.25	0.26 K
JM	SGR-6	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	5.50	0.26 K
JM	SGR-6	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	5.75	0.26 K
JM	SGR-6	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	6.00	0.26 K
JM	T.A.B. R11 KF	FIBER GLASS	FACED SINGLE MATL	PAPER	CEILING	NO	YES	4.00	11.00 R
JM	T.A.B. R19 KF	FIBER GLASS	FACED SINGLE MATL	PAPER	CEILING	NO	YES	6.75	19.00 R
JM	TUFSKIN	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	0.50	0.48 C
JM	TUFSKIN	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	0.75	0.31 C
JM	TUFSKIN	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.00	0.24 C
JM	TUFSKIN	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.50	0.17 C
JM	TUFSKIN	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.00	0.13 C
JM	TUFSKIN	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.50	0.10 C
JM	TUFSKIN RX	FIBER GLASS	COMPOSITE	NONE	EQUIPMENT	YES	NO	0.50	0.48 C
JM	TUFSKIN RX	FIBER GLASS	COMPOSITE	NONE	EQUIPMENT	YES	NO	0.75	0.32 C
JM	TUFSKIN RX	FIBER GLASS	COMPOSITE	NONE	EQUIPMENT	YES	NO	1.00	0.24 C

* DESCRIPTION OF BRAND CODES
JM = JOHNS MANVILLE

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE	
KNF	BASEMENT WALL INS	FIBER GLASS	FACED SINGLE MATL	VINYL	BASEMENTS	YES	YES	3.00	10.00	R
KNF	BASEMENT WALL INS	FIBER GLASS	FACED SINGLE MATL	METAL	BASEMENTS	YES	YES	3.00	10.00	R
KNF	BASEMENT WALL INS	FIBER GLASS	FACED SINGLE MATL	VINYL	BASEMENTS	YES	YES	3.50	11.00	R
KNF	BASEMENT WALL INS	FIBER GLASS	FACED SINGLE MATL	METAL	BASEMENTS	YES	YES	3.50	11.00	R
KNF	BASEMENT WALL INS	FIBER GLASS	FACED SINGLE MATL	VINYL	BASEMENTS	YES	YES	4.00	13.00	R
KNF	BASEMENT WALL INS	FIBER GLASS	FACED SINGLE MATL	METAL	BASEMENTS	YES	YES	4.00	13.00	R
KNF	BASEMENT WALL INS	FIBER GLASS	FACED SINGLE MATL	METAL	BASEMENTS	YES	YES	6.00	19.00	R
KNF	CBI-25 BLDG INS	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	YES	YES	3.50	11.00	R
KNF	CBI-25 BLDG INS	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	YES	YES	3.50	13.00	R
KNF	CBI-25 BLDG INS	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	YES	YES	3.50	15.00	R
KNF	CBI-25 BLDG INS	FIBER GLASS	FACED SINGLE MATL	METAL	WALL/CLG	YES	YES	6.25	19.00	R
KNF	CBI-25 BLDG INS	FIBER GLASS	FACED SINGLE MATL	METAL	WALL/CLG	YES	YES	5.50	21.00	R
KNF	CBI-25 BLDG INS	FIBER GLASS	FACED SINGLE MATL	METAL	CEILING	YES	YES	6.50	22.00	R
KNF	CBI-25 BLDG INS	FIBER GLASS	FACED SINGLE MATL	METAL	CEILING	YES	YES	9.00	26.00	R
KNF	CBI-25 BLDG INS	FIBER GLASS	FACED SINGLE MATL	METAL	CEILING	YES	YES	10.00	30.00	R
KNF	CBI-25 BLDG INS	FIBER GLASS	FACED SINGLE MATL	METAL	CEILING	YES	YES	8.25	30.00	R
KNF	CBI-25 BLDG INS	FIBER GLASS	FACED SINGLE MATL	METAL	CEILING	YES	YES	10.25	38.00	R
KNF	CBI-25 BLDG INS	FIBER GLASS	FACED SINGLE MATL	METAL	CEILING	YES	YES	12.00	28.00	R
KNF	FLXDTLINEM 1.5 PCF	FIBER GLASS	FACED SINGLE MATL	PLASTIC	DUCTS	NO	NO	1.00	0.25	C
KNF	FLXDTLINEM 1.5 PCF	FIBER GLASS	FACED SINGLE MATL	PLASTIC	DUCTS	NO	NO	1.50	0.17	C
KNF	FLXDTLINEM 1.5 PCF	FIBER GLASS	FACED SINGLE MATL	PLASTIC	DUCTS	NO	NO	2.00	0.13	C
KNF	FLXDTLINEM 2.0 PCF	FIBER GLASS	FACED SINGLE MATL	PLASTIC	DUCTS	NO	NO	0.50	0.48	C
KNF	FLXDTLINEM 2.0 PCF	FIBER GLASS	FACED SINGLE MATL	PLASTIC	DUCTS	NO	NO	1.00	0.24	C
KNF	FLXDTLINEM 2.0 PCF	FIBER GLASS	FACED SINGLE MATL	PLASTIC	DUCTS	NO	NO	1.50	0.16	C
KNF	FOIL FACED BLDG INS	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	NO	YES	3.50	11.00	R

* DESCRIPTION OF BRAND CODES
KNF = KNAUF FIBER GLASS

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
KNF	FOIL FACED BLDG INS	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	NO	YES	3.50	13.00 R
KNF	FOIL FACED BLDG INS	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	NO	YES	3.50	15.00 R
KNF	FOIL FACED BLDG INS	FIBER GLASS	FACED SINGLE MATL	METAL	WALL/CLG	NO	YES	6.25	19.00 R
KNF	FOIL FACED BLDG INS	FIBER GLASS	FACED SINGLE MATL	METAL	WALL/CLG	NO	YES	5.50	21.00 R
KNF	FOIL FACED BLDG INS	FIBER GLASS	FACED SINGLE MATL	METAL	CEILING	NO	YES	6.50	22.00 R
KNF	FOIL FACED BLDG INS	FIBER GLASS	FACED SINGLE MATL	METAL	CEILING	NO	YES	9.00	26.00 R
KNF	FOIL FACED BLDG INS	FIBER GLASS	FACED SINGLE MATL	METAL	CEILING	NO	YES	10.00	30.00 R
KNF	FOIL FACED BLDG INS	FIBER GLASS	FACED SINGLE MATL	METAL	CEILING	NO	YES	8.25	30.00 R
KNF	FOIL FACED BLDG INS	FIBER GLASS	FACED SINGLE MATL	METAL	CEILING	NO	YES	10.25	38.00 R
KNF	FOIL FACED BLDG INS	FIBER GLASS	FACED SINGLE MATL	METAL	CEILING	NO	YES	12.00	38.00 R
KNF	KRAFT FACED BLDG INS	FIBER GLASS	FACED SINGLE MATL	PAPER	WALL	NO	YES	3.50	11.00 R
KNF	KRAFT FACED BLDG INS	FIBER GLASS	FACED SINGLE MATL	PAPER	WALL	NO	YES	3.50	13.00 R
KNF	KRAFT FACED BLDG INS	FIBER GLASS	FACED SINGLE MATL	PAPER	WALL	NO	YES	3.50	15.00 R
KNF	KRAFT FACED BLDG INS	FIBER GLASS	FACED SINGLE MATL	PAPER	WALL/CLG	NO	YES	6.25	19.00 R
KNF	KRAFT FACED BLDG INS	FIBER GLASS	FACED SINGLE MATL	PAPER	WALL/CLG	NO	YES	5.50	21.00 R
KNF	KRAFT FACED BLDG INS	FIBER GLASS	FACED SINGLE MATL	PAPER	CEILING	NO	YES	6.50	22.00 R
KNF	KRAFT FACED BLDG INS	FIBER GLASS	FACED SINGLE MATL	PAPER	FLOOR	NO	YES	8.50	25.00 R
KNF	KRAFT FACED BLDG INS	FIBER GLASS	FACED SINGLE MATL	PAPER	CEILING	NO	YES	9.00	26.00 R
KNF	KRAFT FACED BLDG INS	FIBER GLASS	FACED SINGLE MATL	PAPER	CEILING	NO	YES	10.00	30.00 R
KNF	KRAFT FACED BLDG INS	FIBER GLASS	FACED SINGLE MATL	PAPER	CEILING	NO	YES	8.25	30.00 R
KNF	KRAFT FACED BLDG INS	FIBER GLASS	FACED SINGLE MATL	PAPER	CEILING	NO	YES	10.25	38.00 R
KNF	KRAFT FACED BLDG INS	FIBER GLASS	FACED SINGLE MATL	PAPER	CEILING	NO	YES	12.00	38.00 R
KNF	MANUFACTURED HSING	FIBER GLASS	SINGLE MATERIAL	NONE	WALLS	YES	NO	1.50	5.00 R
KNF	MANUFACTURED HSING	FIBER GLASS	SINGLE MATERIAL	NONE	WALLS	YES	NO	2.25	7.00 R
KNF	MANUFACTURED HSING	FIBER GLASS	SINGLE MATERIAL	NONE	WALLS	YES	NO	3.50	11.00 R

* DESCRIPTION OF BRAND CODES
KNF = KNAUF FIBER GLASS

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICA-TIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICK-NESS INCHES	LABELED THERMAL PERFORM-ANCE IN R,K, OR C VALUE	
KNF	MANUFACTURED HSING	FIBER GLASS	SINGLE MATERIAL	NONE	WALLS	YES	NO	3.50	13.00	R
KNF	MANUFACTURED HSING	FIBER GLASS	SINGLE MATERIAL	NONE	CLG/FLR	YES	NO	4.50	14.00	R
KNF	MANUFACTURED HSING	FIBER GLASS	SINGLE MATERIAL	NONE	CLG/FLR	YES	NO	6.25	19.00	R
KNF	MANUFACTURED HSING	FIBER GLASS	SINGLE MATERIAL	NONE	CEILINGS	YES	NO	9.50	30.00	R
KNF	MASONARY WALL INS	FIBER GLASS	SINGLE MATERIAL	NONE	WALLS	YES	NO	0.75	3.00	R
KNF	MASONARY WALL INS	FIBER GLASS	SINGLE MATERIAL	NONE	WALLS	YES	NO	1.50	5.00	R
KNF	METAL BUILDING INS	FIBER GLASS	SINGLE MATERIAL	NONE	WALLS/CLG	YES	NO	3.00	10.00	R
KNF	METAL BUILDING INS	FIBER GLASS	SINGLE MATERIAL	NONE	WALLS/CLG	YES	NO	3.50	11.00	R
KNF	METAL BUILDING INS	FIBER GLASS	SINGLE MATERIAL	NONE	WALLS/CLG	YES	NO	4.00	13.00	R
KNF	METAL BUILDING INS	FIBER GLASS	SINGLE MATERIAL	NONE	WALLS/CLG	YES	NO	5.00	16.00	R
KNF	METAL BUILDING INS	FIBER GLASS	SINGLE MATERIAL	NONE	WALLS/CLG	YES	NO	6.00	19.00	R
KNF	METAL BUILDING INS	FIBER GLASS	SINGLE MATERIAL	NONE	WALLS/CLG	YES	NO	8.00	25.00	R
KNF	METAL BUILDING INS	FIBER GLASS	SINGLE MATERIAL	NONE	WALLS/CLG	YES	NO	9.50	30.00	R
KNF	UNFACED BLDS INS	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	2.50	8.00	R
KNF	UNFACED BLDS INS	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	3.50	11.00	R
KNF	UNFACED BLDS INS	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	3.50	13.00	R
KNF	UNFACED BLDS INS	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	3.50	15.00	R
KNF	UNFACED BLDS INS	FIBER GLASS	SINGLE MATERIAL	NONE	WALL/CLNG	YES	NO	6.25	19.00	R
KNF	UNFACED BLDS INS	FIBER GLASS	SINGLE MATERIAL	NONE	WALL/CLNG	YES	NO	5.50	21.00	R
KNF	UNFACED BLDS INS	FIBER GLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	6.50	22.00	R
KNF	UNFACED BLDS INS	FIBER GLASS	SINGLE MATERIAL	NONE	FLOOR	YES	NO	8.50	25.00	R
KNF	UNFACED BLDS INS	FIBER GLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	9.00	26.00	R
KNF	UNFACED BLDS INS	FIBER GLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	10.00	30.00	R
KNF	UNFACED BLDS INS	FIBER GLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	8.25	30.00	R
KNF	UNFACED BLDS INS	FIBER GLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	10.25	38.00	R

* DESCRIPTION OF BRAND CODES
KNF = KNAUF FIBER GLASS

PRODUCT:
MINERAL FIBER BLANKETS

MANUFACTURER OR PRIVATE LABEL:
KNAUF FIBER GLASS, GMBH

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE	
KNF	UNFACED BLDS INS	FIBER GLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	12.00	38.00	R

* DESCRIPTION OF BRAND CODES
KNF = KNAUF FIBER GLASS

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
FG	ATTIC BLANKET	FIBER GLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	8.00	25.00 R
FG	DUCT LINER BOARD	FIBER GLASS	SINGLE MATERIAL	OTHER	DUCTS	YES	NO	0.50	0.23 K
FG	DUCT LINER BOARD	FIBER GLASS	SINGLE MATERIAL	OTHER	DUCTS	YES	NO	0.75	0.23 K
FG	DUCT LINER BOARD	FIBER GLASS	SINGLE MATERIAL	OTHER	DUCTS	YES	NO	1.00	0.23 K
FG	DUCT LINER BOARD	FIBER GLASS	SINGLE MATERIAL	OTHER	DUCTS	YES	NO	1.25	0.23 K
FG	DUCT LINER BOARD	FIBER GLASS	SINGLE MATERIAL	OTHER	DUCTS	YES	NO	1.50	0.23 K
FG	DUCT LINER BOARD	FIBER GLASS	SINGLE MATERIAL	OTHER	DUCTS	YES	NO	1.75	0.23 K
FG	DUCT LINER BOARD	FIBER GLASS	SINGLE MATERIAL	OTHER	DUCTS	YES	NO	2.00	0.23 K
FG	DUCT LINER T 150	FIBER GLASS	SINGLE MATERIAL	OTHER	DUCTS	YES	NO	1.00	0.28 K
FG	DUCT LINER T 150	FIBER GLASS	SINGLE MATERIAL	OTHER	DUCTS	YES	NO	1.50	0.28 K
FG	DUCT LINER T 150	FIBER GLASS	SINGLE MATERIAL	OTHER	DUCTS	YES	NO	2.00	0.28 K
FG	DUCT LINER T 200	FIBER GLASS	SINGLE MATERIAL	OTHER	DUCTS	YES	NO	0.50	0.26 K
FG	DUCT LINER T 200	FIBER GLASS	SINGLE MATERIAL	OTHER	DUCTS	YES	NO	1.00	0.26 K
FG	DUCT LINER T 200	FIBER GLASS	SINGLE MATERIAL	OTHER	DUCTS	YES	NO	1.50	0.26 K
FG	DUCT LINER T 200	FIBER GLASS	SINGLE MATERIAL	OTHER	DUCTS	YES	NO	2.00	0.26 K
FG	DUCT LINER T 300	FIBER GLASS	SINGLE MATERIAL	OTHER	DUCTS	YES	NO	0.50	0.24 K
FG	DUCT LINER T 300	FIBER GLASS	SINGLE MATERIAL	OTHER	DUCTS	YES	NO	1.00	0.24 K
FG	FLAME SPREAD 25	FIBER GLASS	FACED SINGLE MATL	METAL	CLG WALL FLR	YES	YES	3.50	11.00 R
FG	FLAME SPREAD 25	FIBER GLASS	FACED SINGLE MATL	METAL	CLG WALL FLR	YES	YES	3.50	13.00 R
FG	FLAME SPREAD 25	FIBER GLASS	FACED SINGLE MATL	METAL	CLG WALL FLR	YES	YES	6.25	19.00 R
FG	FLAME SPREAD 25	FIBER GLASS	FACED SINGLE MATL	METAL	CLG WALL FLR	YES	YES	9.50	30.00 R
FG	FOIL FACED B INS	FIBER GLASS	FACED SINGLE MATL	METAL	CLG WALL FLR	NO	YES	3.50	11.00 R
FG	FOIL FACED B INS	FIBER GLASS	FACED SINGLE MATL	METAL	CLG WALL FLR	NO	YES	3.50	13.00 R
FG	FOIL FACED B INS	FIBER GLASS	FACED SINGLE MATL	METAL	CLG WALL FLR	NO	YES	6.25	19.00 R
FG	FOIL FACED B INS	FIBER GLASS	FACED SINGLE MATL	METAL	CLG WALL FLR	NO	YES	9.50	30.00 R

* DESCRIPTION OF BRAND CODES
FG = FIBERGLAS

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
FG	KRAFT FACED B IN	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	2.25	7.00 R
FG	KRAFT FACED B IN	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.50	11.00 R
FG	KRAFT FACED B IN	FIBER GLASS	FACED SINGLE MATL	PAPER	WALL	NO	YES	3.50	15.00 R
FG	KRAFT FACED B IN	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	3.50	13.00 R
FG	KRAFT FACED B IN	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	4.44	14.00 R
FG	KRAFT FACED B IN	FIBER GLASS	FACED SINGLE MATL	PAPER	WALL	NO	YES	5.50	21.00 R
FG	KRAFT FACED B IN	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	6.25	19.00 R
FG	KRAFT FACED B IN	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG WALL FLR	NO	YES	6.75	22.00 R
FG	KRAFT FACED B IN	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG FLR	NO	YES	9.50	30.00 R
FG	KRAFT FACED B IN	FIBER GLASS	FACED SINGLE MATL	PAPER	CLG FLR	NO	YES	12.00	38.00 R
FG	MASONRY WALL INS	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.00	3.80 R
FG	MBI CERTIFIED R	FIBER GLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	2.00	6.00 R
FG	MBI CERTIFIED R	FIBER GLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	3.00	10.00 R
FG	MBI CERTIFIED R	FIBER GLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	4.00	13.00 R
FG	MBI CERTIFIED R	FIBER GLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	5.00	16.00 R
FG	MBI CERTIFIED R	FIBER GLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	6.00	19.00 R
FG	QUIETZONE(TM)	FIBER GLASS	FACED SINGLE MATL	PAPER	WALL	NO	NO	3.50	11.00 R
FG	R25 MIRAFLEX	FIBER GLASS	SINGLE MATL	NONE	CLG	NO	NO	8.75	25.00 R
FG	R25 PINK PLUS	FIBER GLASS	SINGLE MATL	PLASTIC	CLG	YES	NO	8.75	25.00 R
FG	R30 CATHEDRAL KR	FIBER GLASS	FACED SINGLE MATL	PAPER	CEILING	NO	YES	8.25	30.00 R
FG	R30 CATHEDRAL UN	FIBER GLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	8.25	30.00 R
FG	R38 CATHEDRAL KR	FIBER GLASS	FACED SINGLE MATL	PAPER	CEILING	NO	YES	10.25	38.00 R
FG	R38 CATHEDRAL UN	FIBER GLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	10.25	38.00 R
FG	UNFACED BLDG INS	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.50	11.00 R
FG	UNFACED BLDG INS	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	3.50	15.00 R

* DESCRIPTION OF BRAND CODES
FG = FIBERGLAS

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICA-TIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORM-ANCE IN R,K, OR C VALUE
FG	UNFACED BLDG INS	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.50	13.00 R
FG	UNFACED BLDG INS	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	4.44	14.00 R
FG	UNFACED BLDG INS	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	5.50	21.00 R
FG	UNFACED BLDG INS	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	6.25	19.00 R
FG	UNFACED BLDG INS	FIBER GLASS	SINGLE MATERIAL	NONE	CLG FLR	YES	NO	9.50	30.00 R
FG	UNFACED BLDG INS	FIBER GLASS	SINGLE MATERIAL	NONE	CLG FLR	YES	NO	12.00	38.00 R

* DESCRIPTION OF BRAND CODES
FG = FIBERGLAS

PRODUCT: CELLULAR GLASS BOARD

MANUFACTURER OR PRIVATE LABEL: PITTSBURGH CORNING CORPORATION

REG NO. CA-T037(PA)

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
FMG	135114	CELLULAR GLS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	YES	2.00	6.00 R
FMG	135116	CELLULAR GLS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	YES	3.00	9.00 R
FMG	135118	CELLULAR GLS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	YES	4.00	12.00 R
FMG	135121	CELLULAR GLS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	YES	5.00	15.00 R
FMG	135216	CELLULAR GLS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	YES	6.00	20.00 R

* DESCRIPTION OF BRAND CODES
FMG = FOAMGLAS

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE	
JM	DURABOARD	MINERAL AGGREGATE	SINGLE MATERIAL	NONE	ROOF DECK	NO	NO	0.50	1.20	R
JM	DURABOARD	MINERAL AGGREGATE	SINGLE MATERIAL	NONE	ROOF DECK	NO	NO	0.75	1.80	R
JM	DURABOARD	MINERAL AGGREGATE	SINGLE MATERIAL	NONE	ROOF DECK	NO	NO	1.00	2.30	R
JM	FESCO	MINERAL AGGREGATE	SINGLE MATERIAL	NONE	ROOF DECK	NO	NO	0.75	2.10	R
JM	FESCO	MINERAL AGGREGATE	SINGLE MATERIAL	NONE	ROOF DECK	NO	NO	1.00	2.80	R
JM	FESCO	MINERAL AGGREGATE	SINGLE MATERIAL	NONE	ROOF DECK	NO	NO	1.50	4.20	R
JM	FESCO	MINERAL AGGREGATE	SINGLE MATERIAL	NONE	ROOF DECK	NO	NO	2.00	5.60	R
JM	RETROFIT	MINERAL AGGREGATE	SINGLE MATERIAL	NONE	ROOF DECK	NO	NO	0.50	1.32	R

* DESCRIPTION OF BRAND CODES
JM = JOHNS MANVILLE

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR RETARDER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
CT	PS66.00 TG RIG LIN BRD	FIBER GLASS	GLASS MAT FACED	MTL/FAB	DUCTS	YES	NO	1.00	0.23 K
CT	PS66.00 TG RIG LIN BRD	FIBER GLASS	GLASS MAT FACED	MTL/FAB	DUCTS	YES	NO	1.50	0.23 K
CT	PS66.00 TG RIG LIN BRD	FIBER GLASS	GLASS MAT FACED	MTL/FAB	DUCTS	YES	NO	2.00	0.23 K
CT	PS87.00 CB150	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.50	0.25 K
CT	PS87.00 CB150	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.00	0.25 K
CT	PS87.00 CB150	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.50	0.25 K
CT	PS87.00 CB150	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.00	0.25 K
CT	PS87.00 CB150	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.50	0.25 K
CT	PS87.00 CB150	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.00	0.25 K
CT	PS87.00 CB150	FIBER GLASS	FSK FACED SGL MATL	METAL	EQUIPMENT	YES	YES	1.50	0.25 K
CT	PS87.00 CB150	FIBER GLASS	FSK FACED SGL MATL	METAL	EQUIPMENT	YES	YES	2.00	0.25 K
CT	PS87.00 CB150	FIBER GLASS	FSK FACED SGL MATL	METAL	EQUIPMENT	YES	YES	2.50	0.25 K
CT	PS87.00 CB150	FIBER GLASS	FSK FACED SGL MATL	METAL	EQUIPMENT	YES	YES	3.00	0.25 K
CT	PS87.00 CB150	FIBER GLASS	FSK FACED SGL MATL	METAL	EQUIPMENT	YES	YES	3.50	0.25 K
CT	PS87.00 CB150	FIBER GLASS	FSK FACED SGL MATL	METAL	EQUIPMENT	YES	YES	4.00	0.25 K
CT	PS87.00 CB150	FIBER GLASS	WMP FACED SGL MATL	OTHER	EQUIPMENT	YES	YES	1.00	0.25 K
CT	PS87.00 CB150	FIBER GLASS	WMP FACED SGL MATL	OTHER	EQUIPMENT	YES	YES	1.50	0.25 K
CT	PS87.00 CB150	FIBER GLASS	WMP FACED SGL MATL	OTHER	EQUIPMENT	YES	YES	2.00	0.25 K
CT	PS87.00 CB150	FIBER GLASS	WMP FACED SGL MATL	OTHER	EQUIPMENT	YES	YES	2.50	0.25 K
CT	PS87.00 CB150	FIBER GLASS	WMP FACED SGL MATL	OTHER	EQUIPMENT	YES	YES	3.00	0.25 K
CT	PS87.00 CB150	FIBER GLASS	WMP FACED SGL MATL	OTHER	EQUIPMENT	YES	YES	3.50	0.25 K
CT	PS87.00 CB150	FIBER GLASS	WMP FACED SGL MATL	OTHER	EQUIPMENT	YES	YES	4.00	0.25 K
CT	PS87.00 CB225	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	1.00	0.23 K
CT	PS87.00 CB225	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	1.50	0.23 K
CT	PS87.00 CB225	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	2.00	0.23 K

* DESCRIPTION OF BRAND CODES
CT = CERTAINTEED

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR RETARDER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
CT	PS87.00 CB225	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	2.50	0.23 K
CT	PS87.00 CB225	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.00	0.23 K
CT	PS87.00 CB225	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.50	0.23 K
CT	PS87.00 CB225	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	4.00	0.23 K
CT	PS87.00 CB225	FIBER GLASS	FSK FACED SGL MAT	METAL	CLG WALL FLR	YES	YES	1.00	0.23 K
CT	PS87.00 CB225	FIBER GLASS	FSK FACED SGL MAT	METAL	CLG WALL FLR	YES	YES	1.50	0.23 K
CT	PS87.00 CB225	FIBER GLASS	FSK FACED SGL MAT	METAL	CLG WALL FLR	YES	YES	2.00	0.23 K
CT	PS87.00 CB225	FIBER GLASS	FSK FACED SGL MAT	METAL	CLG WALL FLR	YES	YES	2.50	0.23 K
CT	PS87.00 CB225	FIBER GLASS	FSK FACED SGL MAT	METAL	CLG WALL FLR	YES	YES	3.00	0.23 K
CT	PS87.00 CB225	FIBER GLASS	FSK FACED SGL MAT	METAL	CLG WALL FLR	YES	YES	3.50	0.23 K
CT	PS87.00 CB225	FIBER GLASS	FSK FACED SGL MAT	METAL	CLG WALL FLR	YES	YES	4.00	0.23 K
CT	PS87.00 CB225	FIBER GLASS	ASJ FACED SGL MATL	PAPER	CLG WALL FLR	YES	YES	1.00	0.23 K
CT	PS87.00 CB225	FIBER GLASS	ASJ FACED SGL MATL	PAPER	CLG WALL FLR	YES	YES	1.50	0.23 K
CT	PS87.00 CB225	FIBER GLASS	ASJ FACED SGL MATL	PAPER	CLG WALL FLR	YES	YES	2.00	0.23 K
CT	PS87.00 CB225	FIBER GLASS	ASJ FACED SGL MATL	PAPER	CLG WALL FLR	YES	YES	2.50	0.23 K
CT	PS87.00 CB225	FIBER GLASS	ASJ FACED SGL MATL	PAPER	CLG WALL FLR	YES	YES	3.00	0.23 K
CT	PS87.00 CB225	FIBER GLASS	ASJ FACED SGL MATL	PAPER	CLG WALL FLR	YES	YES	3.50	0.23 K
CT	PS87.00 CB225	FIBER GLASS	ASJ FACED SGL MATL	PAPER	CLG WALL FLR	YES	YES	4.00	0.23 K
CT	PS87.00 CB225	FIBER GLASS	WMP FACED SGL MATL	OTHER	EQUIPMENT	YES	YES	1.00	0.23 K
CT	PS87.00 CB225	FIBER GLASS	WMP FACED SGL MATL	OTHER	EQUIPMENT	YES	YES	1.50	0.23 K
CT	PS87.00 CB225	FIBER GLASS	WMP FACED SGL MATL	OTHER	EQUIPMENT	YES	YES	2.00	0.23 K
CT	PS87.00 CB225	FIBER GLASS	WMP FACED SGL MATL	OTHER	EQUIPMENT	YES	YES	2.50	0.23 K
CT	PS87.00 CB225	FIBER GLASS	WMP FACED SGL MATL	OTHER	EQUIPMENT	YES	YES	3.00	0.23 K
CT	PS87.00 CB225	FIBER GLASS	WMP FACED SGL MATL	OTHER	EQUIPMENT	YES	YES	3.50	0.23 K
CT	PS87.00 CB225	FIBER GLASS	WMP FACED SGL MATL	OTHER	EQUIPMENT	YES	YES	4.00	0.23 K

* DESCRIPTION OF BRAND CODES
CT = CERTAINTEED

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR RETARDER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
CT	PS87.00 CB300	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	1.00	0.23 K
CT	PS87.00 CB300	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	1.50	0.23 K
CT	PS87.00 CB300	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	2.00	0.23 K
CT	PS87.00 CB300	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	2.50	0.23 K
CT	PS87.00 CB300	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.00	0.23 K
CT	PS87.00 CB300	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.50	0.23 K
CT	PS87.00 CB300	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	4.00	0.23 K
CT	PS87.00 CB300	FIBER GLASS	FSK FACED SGL MATL	METAL	EQUIPMENT	YES	YES	1.00	0.23 K
CT	PS87.00 CB300	FIBER GLASS	FSK FACED SGL MATL	METAL	EQUIPMENT	YES	YES	1.50	0.23 K
CT	PS87.00 CB300	FIBER GLASS	FSK FACED SGL MATL	METAL	EQUIPMENT	YES	YES	2.00	0.23 K
CT	PS87.00 CB300	FIBER GLASS	FSK FACED SGL MATL	METAL	EQUIPMENT	YES	YES	2.50	0.23 K
CT	PS87.00 CB300	FIBER GLASS	FSK FACED SGL MATL	METAL	EQUIPMENT	YES	YES	3.00	0.23 K
CT	PS87.00 CB300	FIBER GLASS	FSK FACED SGL MATL	METAL	EQUIPMENT	YES	YES	3.50	0.23 K
CT	PS87.00 CB300	FIBER GLASS	FSK FACED SGL MATL	METAL	EQUIPMENT	YES	YES	4.00	0.23 K
CT	PS87.00 CB300	FIBER GLASS	ASJ FACED SGL MATL	PAPER	CLG WALL FLR	YES	YES	1.00	0.23 K
CT	PS87.00 CB300	FIBER GLASS	ASJ FACED SGL MATL	PAPER	CLG WALL FLR	YES	YES	1.50	0.23 K
CT	PS87.00 CB300	FIBER GLASS	ASJ FACED SGL MATL	PAPER	CLG WALL FLR	YES	YES	2.00	0.23 K
CT	PS87.00 CB300	FIBER GLASS	ASJ FACED SGL MATL	PAPER	CLG WALL FLR	YES	YES	2.50	0.23 K
CT	PS87.00 CB300	FIBER GLASS	ASJ FACED SGL MATL	PAPER	CLG WALL FLR	YES	YES	3.00	0.23 K
CT	PS87.00 CB300	FIBER GLASS	ASJ FACED SGL MATL	PAPER	CLG WALL FLR	YES	YES	3.50	0.23 K
CT	PS87.00 CB300	FIBER GLASS	ASJ FACED SGL MATL	PAPER	CLG WALL FLR	YES	YES	4.00	0.23 K
CT	PS87.00 CB300	FIBER GLASS	WMP FACED SGL MATL	OTHER	EQUIPMENT	YES	YES	1.00	0.23 K
CT	PS87.00 CB300	FIBER GLASS	WMP FACED SGL MATL	OTHER	EQUIPMENT	YES	YES	1.50	0.23 K
CT	PS87.00 CB300	FIBER GLASS	WMP FACED SGL MATL	OTHER	EQUIPMENT	YES	YES	2.00	0.23 K
CT	PS87.00 CB300	FIBER GLASS	WMP FACED SGL MATL	OTHER	EQUIPMENT	YES	YES	2.50	0.23 K

* DESCRIPTION OF BRAND CODES
CT = CERTAINTEED

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR RETARDER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
CT	PS87.00 CB300	FIBER GLASS	WMP FACED SGL MATL	OTHER	EQUIPMENT	YES	YES	3.00	0.23 K
CT	PS87.00 CB300	FIBER GLASS	WMP FACED SGL MATL	OTHER	EQUIPMENT	YES	YES	3.50	0.23 K
CT	PS87.00 CB300	FIBER GLASS	WMP FACED SGL MATL	OTHER	EQUIPMENT	YES	YES	4.00	0.23 K
CT	PS87.00 CB600	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.00	0.22 K
CT	PS87.00 CB600	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.50	0.22 K
CT	PS87.00 CB600	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.00	0.22 K
CT	PS87.00 CB600	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.50	0.22 K
CT	PS87.00 CB600	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.00	0.22 K
CT	PS87.00 CB600	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.50	0.22 K
CT	PS87.00 CB600	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.00	0.22 K
CT	PS87.00 CB600	FIBER GLASS	FSK FACED SGL MATL	METAL	EQUIPMENT	YES	YES	1.00	0.22 K
CT	PS87.00 CB600	FIBER GLASS	FSK FACED SGL MATL	METAL	EQUIPMENT	YES	YES	1.50	0.22 K
CT	PS87.00 CB600	FIBER GLASS	FSK FACED SGL MATL	METAL	EQUIPMENT	YES	YES	2.00	0.22 K
CT	PS87.00 CB600	FIBER GLASS	FSK FACED SGL MATL	METAL	EQUIPMENT	YES	YES	2.50	0.22 K
CT	PS87.00 CB600	FIBER GLASS	FSK FACED SGL MATL	METAL	EQUIPMENT	YES	YES	3.00	0.22 K
CT	PS87.00 CB600	FIBER GLASS	FSK FACED SGL MATL	METAL	EQUIPMENT	YES	YES	3.50	0.22 K
CT	PS87.00 CB600	FIBER GLASS	FSK FACED SGL MATL	METAL	EQUIPMENT	YES	YES	4.00	0.22 K
CT	PS87.00 CB600	FIBER GLASS	ASJ FACED SGL MATL	PAPER	EQUIPMENT	YES	YES	1.00	0.22 K
CT	PS87.00 CB600	FIBER GLASS	ASJ FACED SGL MATL	PAPER	EQUIPMENT	YES	YES	1.50	0.22 K
CT	PS87.00 CB600	FIBER GLASS	ASJ FACED SGL MATL	PAPER	EQUIPMENT	YES	YES	2.00	0.22 K
CT	PS87.00 CB600	FIBER GLASS	ASJ FACED SGL MATL	PAPER	EQUIPMENT	YES	YES	2.50	0.22 K
CT	PS87.00 CB600	FIBER GLASS	ASJ FACED SGL MATL	PAPER	EQUIPMENT	YES	YES	3.00	0.22 K
CT	PS87.00 CB600	FIBER GLASS	ASJ FACED SGL MATL	PAPER	EQUIPMENT	YES	YES	3.50	0.22 K
CT	PS87.00 CB600	FIBER GLASS	ASJ FACED SGL MATL	PAPER	EQUIPMENT	YES	YES	4.00	0.22 K
CT	PS87.00 CB600	FIBER GLASS	WMP FACED SGL MATL	OTHER	EQUIPMENT	YES	YES	1.00	0.22 K

* DESCRIPTION OF BRAND CODES
CT = CERTAINTEED

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR RETARDER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
CT	PS87.00 CB600	FIBER GLASS	WMP FACED SGL MATL	OTHER	EQUIPMENT	YES	YES	1.50	0.22 K
CT	PS87.00 CB600	FIBER GLASS	WMP FACED SGL MATL	OTHER	EQUIPMENT	YES	YES	2.00	0.22 K
CT	MHD 13/16	FIBER GLASS	FSK FACED SGL MATL	METAL	DUCTS	YES	YES	0.8125	3.50 R
CT	PS87.02 ACUSTABRD 225	FIBER GLASS	SINGLE MATERIAL	OTHER	CLG WALL	YES	NO	1.00	4.30 R
CT	PS87.02 ACUSTABRD 225	FIBER GLASS	SINGLE MATERIAL	OTHER	CLG WALL	YES	NO	1.50	6.50 R
CT	PS87.02 ACUSTABRD 225	FIBER GLASS	SINGLE MATERIAL	OTHER	CLG WALL	YES	NO	2.00	8.70 R
CT	PS87.02 ACUSTABRD 300	FIBER GLASS	SINGLE MATERIAL	OTHER	CLG WALL	YES	NO	1.00	4.30 R
CT	PS87.02 ACUSTABRD 300	FIBER GLASS	SINGLE MATERIAL	OTHER	CLG WALL	YES	NO	1.50	6.50 R
CT	PS87.02 ACUSTABRD 300	FIBER GLASS	SINGLE MATERIAL	OTHER	CLG WALL	YES	NO	2.00	8.70 R
CT	TOUGHGARD DB 475	FIBER GLASS	FSK FCD COMPOSITE	MTL/FAB	DUCTS	YES	YES	1.00	4.30 R
CT	TOUGHGARD DB 800	FIBER GLASS	FSK FCD COMPOSITE	MTL/FAB	DUCTS	YES	YES	1.00	4.30 R
CT	TOUGHGARD DB 800	FIBER GLASS	FSK FCD COMPOSITE	MTL/FAB	DUCTS	YES	YES	1.50	6.50 R
CT	TOUGHGARD DB 800	FIBER GLASS	FSK FCD COMPOSITE	MTL/FAB	DUCTS	YES	YES	2.00	8.70 R
CT	ULTRA DUCT GOLD 475	FIBER GLASS	FSK FCD SGL MATL	METAL	DUCTS	YES	YES	1.00	4.30 R
CT	ULTRA DUCT GOLD 475	FIBER GLASS	FSK FCD SGL MATL	METAL	DUCTS	YES	YES	1.50	6.50 R
CT	ULTRA DUCT GOLD 475	FIBER GLASS	FSK FCD SGL MATL	METAL	DUCTS	YES	YES	2.00	8.70 R
CT	ULTRA DUCT GOLD 800	FIBER GLASS	FSK FCD SGL MATL	METAL	DUCTS	YES	YES	1.00	4.30 R
CT	ULTRA DUCT GOLD 800	FIBER GLASS	FSK FCD SGL MATL	METAL	DUCTS	YES	YES	1.50	6.50 R
CT	ULTRA DUCT GOLD 800	FIBER GLASS	FSK FCD SGL MATL	METAL	DUCTS	YES	YES	2.00	8.70 R

* DESCRIPTION OF BRAND CODES
CT = CERTAINTEED

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICA-TIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORM-ANCE IN R,K, OR C VALUE
JM	812 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.00	0.26 K
JM	812 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.50	0.26 K
JM	812 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.00	0.26 K
JM	812 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.50	0.26 K
JM	812 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	3.00	0.26 K
JM	812 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	3.50	0.26 K
JM	812 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	4.00	0.26 K
JM	812 BOARD	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	1.00	0.26 K
JM	812 BOARD	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	1.50	0.26 K
JM	812 BOARD	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	2.00	0.26 K
JM	812 BOARD	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	2.50	0.26 K
JM	812 BOARD	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	3.00	0.26 K
JM	812 BOARD	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	3.50	0.26 K
JM	812 BOARD	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	4.00	0.26 K
JM	814 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.00	0.23 K
JM	814 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.50	0.23 K
JM	814 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.00	0.23 K
JM	814 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.50	0.23 K
JM	814 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	3.00	0.23 K
JM	814 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	3.50	0.23 K
JM	814 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	4.00	0.23 K
JM	814 BD/FSK/AP	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	1.00	0.23 K
JM	814 BD/FSK/AP	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	1.50	0.23 K
JM	814 BD/FSK/AP	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	2.00	0.23 K
JM	814 BD/FSK/AP	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	2.50	0.23 K

* DESCRIPTION OF BRAND CODES
JM = JOHNS MANVILLE

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICA-TIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORM-ANCE IN R,K, OR C VALUE	
JM	814 BD/FSK/AP	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	3.00	0.23	K
JM	814 BD/FSK/AP	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	3.50	0.23	K
JM	814 BD/FSK/AP	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	4.00	0.23	K
JM	815 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.00	0.23	K
JM	815 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.50	0.23	K
JM	815 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.00	0.23	K
JM	815 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.50	0.23	K
JM	815 BD/FSK/AP	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	1.00	0.23	K
JM	815 BD/FSK/AP	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	1.50	0.23	K
JM	815 BD/FSK/AP	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	2.00	0.23	K
JM	815 BD/FSK/AP	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	2.50	0.23	K
JM	817 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.00	0.22	K
JM	817 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.50	0.22	K
JM	817 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.00	0.22	K
JM	817 BD/FSK/AP	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	1.00	0.22	K
JM	817 BD/FSK/AP	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	1.50	0.22	K
JM	817 BD/FSK/AP	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	2.00	0.22	K
JM	1000 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.00	0.22	K
JM	1000 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.50	0.22	K
JM	1000 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.00	0.22	K
JM	1000 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.50	0.22	K
JM	1000 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.00	0.22	K
JM	1000 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.50	0.22	K
JM	1000 BOARD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.00	0.22	K
JM	COATED I.S. BLACK	FIBER GLASS	FACED SINGLE MATL	COATING	WALL CLG	YES	NO	1.00	4.00	R

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JM	EQSGBD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.50	0.22 K
JM	EQSGBD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	0.75	0.22 K
JM	EQSGBD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.00	0.22 K
JM	EQSGBD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.50	0.22 K
JM	EQSGBD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.00	0.22 K
JM	EQSGBD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.50	0.22 K
JM	EQSGBD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.00	0.22 K
JM	EQSGBD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.50	0.22 K
JM	EQSGBD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.00	0.22 K
JM	EQSGBD	FIBER GLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	NO	0.75	0.22 K
JM	EQSGBD	FIBER GLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	NO	1.00	0.22 K
JM	EQSGBD	FIBER GLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	NO	1.50	0.22 K
JM	EQSGBD	FIBER GLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	NO	2.00	0.22 K
JM	EQSGBD	FIBER GLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	NO	2.50	0.22 K
JM	EQSGBD	FIBER GLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	NO	3.00	0.22 K
JM	EQSGBD	FIBER GLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	NO	3.50	0.22 K
JM	EQSGBD	FIBER GLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	NO	4.00	0.22 K
JM	EQSGBD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.50	0.23 K
JM	EQSGBD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	0.75	0.23 K
JM	EQSGBD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.00	0.23 K
JM	EQSGBD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.50	0.23 K
JM	EQSGBD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.00	0.23 K
JM	EQSGBD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.50	0.23 K
JM	EQSGBD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.00	0.23 K
JM	EQSGBD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.50	0.23 K

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JM	EQSGBD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.00	0.23 K
JM	EQSGBD	FIBER GLASS	FACED SINGLE MATL	NONE	EQUIPMENT	YES	NO	0.75	0.23 K
JM	EQSGBD	FIBER GLASS	FACED SINGLE MATL	NONE	EQUIPMENT	YES	NO	1.00	0.23 K
JM	EQSGBD	FIBER GLASS	FACED SINGLE MATL	NONE	EQUIPMENT	YES	NO	1.50	0.23 K
JM	EQSGBD	FIBER GLASS	FACED SINGLE MATL	NONE	EQUIPMENT	YES	NO	2.00	0.23 K
JM	EQSGBD	FIBER GLASS	FACED SINGLE MATL	NONE	EQUIPMENT	YES	NO	2.50	0.23 K
JM	EQSGBD	FIBER GLASS	FACED SINGLE MATL	NONE	EQUIPMENT	YES	NO	3.00	0.23 K
JM	EQSGBD	FIBER GLASS	FACED SINGLE MATL	NONE	EQUIPMENT	YES	NO	3.50	0.23 K
JM	EQSGBD	FIBER GLASS	FACED SINGLE MATL	NONE	EQUIPMENT	YES	NO	4.00	0.23 K
JM	EQSGBD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	0.50	0.24 K
JM	EQSGBD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	0.75	0.24 K
JM	EQSGBD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.00	0.24 K
JM	EQSGBD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.50	0.24 K
JM	EQSGBD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.00	0.24 K
JM	EQSGBD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.50	0.24 K
JM	EQSGBD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.00	0.24 K
JM	EQSGBD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.50	0.24 K
JM	EQSGBD	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.00	0.24 K
JM	EQSGBD	FIBER GLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	YES	0.75	0.24 K
JM	EQSGBD	FIBER GLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	YES	1.00	0.24 K
JM	EQSGBD	FIBER GLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	YES	1.50	0.24 K
JM	EQSGBD	FIBER GLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	YES	2.00	0.24 K
JM	EQSGBD	FIBER GLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	YES	2.50	0.24 K
JM	EQSGBD	FIBER GLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	YES	3.00	0.24 K
JM	EQSGBD	FIBER GLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	YES	3.50	0.24 K

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BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICA-TIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORM-ANCE IN R,K, OR C VALUE	
JM	EQSGBD	FIBER GLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	YES	4.00	0.24	K
FG	ES-269.00.010405	FIBER GLASS	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.75	0.14	C
FG	ES-269.00.05	FIBER GLASS	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	0.75	0.36	C
FG	ES-269.00.05	FIBER GLASS	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	0.94	0.27	C
FG	ES-269.00.05	FIBER GLASS	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.00	0.25	C
FG	ES-269.00.05	FIBER GLASS	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.06	0.24	C
FG	ES-269.00.05	FIBER GLASS	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.31	0.19	C
FG	ES-269.00.05	FIBER GLASS	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.44	0.17	C
FG	ES-269.00.05	FIBER GLASS	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.56	0.16	C
FG	ES-269.00.05	FIBER GLASS	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.63	0.15	C
FG	ES-269.01.04.05	FIBER GLASS	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.88	0.13	C
FG	ES-269.01.04.05	FIBER GLASS	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.06	0.12	C
FG	ES-269.01.04.05	FIBER GLASS	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.25	0.11	C
FG	ES-269.01.04.05	FIBER GLASS	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.44	0.10	C
FG	ES-269.04	FIBER GLASS	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	0.75	0.36	C
FG	ES-269.06	FIBER GLASS	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.75	0.09	C
JM	FAB BD TYPE 2405	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP	YES	NO	0.50	0.25	K
JM	FAB BD TYPE 2405	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP	YES	NO	1.00	0.25	K
JM	FAB BD TYPE 2405	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP	YES	NO	1.50	0.25	K
JM	FAB BD TYPE 2405	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP	YES	NO	2.00	0.25	K
JM	FAB BD TYPE 2405	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP	YES	NO	2.50	0.25	K
JM	FAB BD TYPE 2405	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP	YES	NO	3.00	0.25	K
JM	FAB BD TYPE 2405	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP	YES	NO	3.50	0.25	K
JM	FAB BD TYPE 2405	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP	YES	NO	4.00	0.25	K
JM	FAB BD TYPE 3005	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP	YES	NO	0.50	0.23	K

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JM	FAB BD TYPE 3005	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP	YES	NO	1.00	0.23 K
JM	FAB BD TYPE 3005	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP	YES	NO	1.50	0.23 K
JM	FAB BD TYPE 3005	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP	YES	NO	2.00	0.23 K
JM	FAB BD TYPE 3005	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP	YES	NO	2.50	0.23 K
JM	FAB BD TYPE 3005	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP	YES	NO	3.00	0.23 K
JM	FAB BD TYPE 3005	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP	YES	NO	3.50	0.23 K
JM	FAB BD TYPE 3005	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP	YES	NO	4.00	0.23 K
JM	FAB BD TYPE 3008	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP	YES	NO	0.50	0.23 K
JM	FAB BD TYPE 3008	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP	YES	NO	1.00	0.23 K
JM	FAB BD TYPE 3008	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP	YES	NO	1.50	0.23 K
JM	FAB BD TYPE 3008	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP	YES	NO	2.00	0.23 K
JM	FAB BD TYPE 3008	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP	YES	NO	2.50	0.23 K
JM	FAB BD TYPE 3008	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP	YES	NO	3.00	0.23 K
JM	FAB BD TYPE 3008	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP	YES	NO	3.50	0.23 K
JM	FAB BD TYPE 3008	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP	YES	NO	4.00	0.23 K
JM	FAB BD TYPE 3012	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP	YES	NO	0.50	0.23 K
JM	FAB BD TYPE 3012	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP	YES	NO	1.00	0.23 K
JM	FAB BD TYPE 3012	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP	YES	NO	1.50	0.23 K
JM	FAB BD TYPE 3012	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP	YES	NO	2.00	0.23 K
JM	FAB BD TYPE 3012	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP	YES	NO	2.50	0.23 K
JM	FAB BD TYPE 3012	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP	YES	NO	3.00	0.23 K
JM	FAB BD TYPE 3012	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP	YES	NO	3.50	0.23 K
JM	FAB BD TYPE 3012	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP	YES	NO	4.00	0.23 K
JM	GLASSDEK	FIBER GLASS	FACED SINGLE MATL	FBR GLS	FLOOR	YES	NO	1.00	0.23 K
JM	GLASSDEK	FIBER GLASS	FACED SINGLE MATL	FBR GLS	FLOOR	YES	NO	1.25	0.23 K

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JM	GLASSDEK	FIBER GLASS	FACED SINGLE MATL	FBR GLS	FLOOR	YES	NO	1.50	0.23 K
JM	GLASSDEK	FIBER GLASS	FACED SINGLE MATL	FBR GLS	FLOOR	YES	NO	1.75	0.23 K
JM	GLASSDEK	FIBER GLASS	FACED SINGLE MATL	FBR GLS	FLOOR	YES	NO	2.00	0.23 K
JM	I.S. 100	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.50	5.60 R
JM	I.S. 100 BLACK	FIBER GLASS	FACED SINGLE MATL	FBR GLS	WALL CLG	YES	NO	1.50	6.00 R
JM	I.S. 100 FSK/AP	FIBR GLASS	FACED SINGLE MATL	METAL	WALL	YES	YES	1.50	5.60 R
JM	I.S. 150	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.00	4.20 R
JM	I.S. 150	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.50	6.30 R
JM	I.S. 150	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	8.30 R
JM	I.S. 150	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	2.50	10.40 R
JM	I.S. 150	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	3.00	13.00 R
JM	I.S. 150	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	3.50	15.20 R
JM	I.S. 150	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	4.00	16.70 R
JM	I.S. 150	FIBER GLASS	FACED SINGLE MATL	PLASTIC	WALL	YES	YES	1.00	4.20 R
JM	I.S. 150	FIBER GLASS	FACED SINGLE MATL	PLASTIC	WALL	YES	YES	1.50	6.30 R
JM	I.S. 150	FIBER GLASS	FACED SINGLE MATL	PLASTIC	WALL	YES	YES	2.00	8.30 R
JM	I.S. 150	FIBER GLASS	FACED SINGLE MATL	PLASTIC	WALL	YES	YES	2.50	10.40 R
JM	I.S. 150	FIBER GLASS	FACED SINGLE MATL	PLASTIC	WALL	YES	YES	3.00	13.00 R
JM	I.S. 150	FIBER GLASS	FACED SINGLE MATL	PLASTIC	WALL	YES	YES	3.50	15.20 R
JM	I.S. 150	FIBER GLASS	FACED SINGLE MATL	PLASTIC	WALL	YES	YES	4.00	16.70 R
JM	I.S. 150 BLACK	FIBER GLASS	FACED SINGLE MATL	FBR GLS	WALL CLG	YES	YES	1.00	4.20 R
JM	I.S. 150 BLACK	FIBER GLASS	FACED SINGLE MATL	FBR GLS	WALL CLG	YES	YES	1.50	6.30 R
JM	I.S. 150 BLACK	FIBER GLASS	FACED SINGLE MATL	FBR GLS	WALL CLG	YES	YES	2.00	8.30 R
JM	I.S. 150 BLACK	FIBER GLASS	FACED SINGLE MATL	FBR GLS	WALL CLG	YES	YES	2.50	10.40 R
JM	I.S. 150 BLACK	FIBER GLASS	FACED SINGLE MATL	FBR GLS	WALL CLG	YES	YES	3.00	13.00 R

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JM	I.S. 150 BLACK	FIBER GLASS	FACED SINGLE MATL	FBR GLS	WALL CLG	YES	YES	3.50	15.20 R
JM	I.S. 150 BLACK	FIBER GLASS	FACED SINGLE MATL	FBR GLS	WALL CLG	YES	YES	4.00	16.70 R
JM	I.S. 150 FSK/AP	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	YES	YES	1.00	4.20 R
JM	I.S. 150 FSK/AP	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	YES	YES	1.50	6.30 R
JM	I.S. 150 FSK/AP	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	YES	YES	2.00	8.30 R
JM	I.S. 150 FSK/AP	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	YES	YES	2.50	10.40 R
JM	I.S. 150 FSK/AP	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	YES	YES	3.00	13.00 R
JM	I.S. 150 FSK/AP	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	YES	YES	3.50	15.20 R
JM	I.S. 150 FSK/AP	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	YES	YES	4.00	16.70 R
JM	I.S. 225	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.00	4.30 R
JM	I.S. 225	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.50	6.50 R
JM	I.S. 225	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	8.70 R
JM	I.S. 225	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	2.50	10.90 R
JM	I.S. 225	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	3.00	13.00 R
JM	I.S. 225	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	3.50	15.20 R
JM	I.S. 225	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	4.00	17.40 R
JM	I.S. 225	FIBER GLASS	FACED SINGLE MATL	PLASTIC	WALL	YES	YES	1.00	4.30 R
JM	I.S. 225	FIBER GLASS	FACED SINGLE MATL	PLASTIC	WALL	YES	YES	1.50	6.50 R
JM	I.S. 225	FIBER GLASS	FACED SINGLE MATL	PLASTIC	WALL	YES	YES	2.00	8.70 R
JM	I.S. 225	FIBER GLASS	FACED SINGLE MATL	PLASTIC	WALL	YES	YES	2.50	10.90 R
JM	I.S. 225	FIBER GLASS	FACED SINGLE MATL	PLASTIC	WALL	YES	YES	3.00	13.00 R
JM	I.S. 225	FIBER GLASS	FACED SINGLE MATL	PLASTIC	WALL	YES	YES	3.50	15.20 R
JM	I.S. 225	FIBER GLASS	FACED SINGLE MATL	PLASTIC	WALL	YES	YES	4.00	17.40 R
JM	I.S. 225 BLACK	FIBER GLASS	FACED SINGLE MATL	FBR GLS	WALL CLG	YES	NO	1.00	4.30 R
JM	I.S. 225 BLACK	FIBER GLASS	FACED SINGLE MATL	FBR GLS	WALL CLG	YES	NO	1.50	6.50 R

* DESCRIPTION OF BRAND CODES
JM = JOHNS MANVILLE

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
JM	I.S. 225 BLACK	FIBER GLASS	FACED SINGLE MATL	FBR GLS	WALL CLG	YES	NO	2.00	8.70 R
JM	I.S. 225 BLACK	FIBER GLASS	FACED SINGLE MATL	FBR GLS	WALL CLG	YES	NO	2.50	10.90 R
JM	I.S. 225 BLACK	FIBER GLASS	FACED SINGLE MATL	FBR GLS	WALL CLG	YES	NO	3.00	13.00 R
JM	I.S. 225 BLACK	FIBER GLASS	FACED SINGLE MATL	FBR GLS	WALL CLG	YES	NO	3.50	15.20 R
JM	I.S. 225 BLACK	FIBER GLASS	FACED SINGLE MATL	FBR GLS	WALL CLG	YES	NO	4.00	17.40 R
JM	I.S. 225 FSK/AP	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	YES	YES	1.00	4.30 R
JM	I.S. 225 FSK/AP	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	YES	YES	1.50	6.50 R
JM	I.S. 225 FSK/AP	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	YES	YES	2.00	8.70 R
JM	I.S. 225 FSK/AP	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	YES	YES	2.50	10.90 R
JM	I.S. 225 FSK/AP	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	YES	YES	3.00	13.00 R
JM	I.S. 225 FSK/AP	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	YES	YES	3.50	15.20 R
JM	I.S. 225 FSK/AP	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	YES	YES	4.00	17.40 R
JM	I.S. 300	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.00	4.30 R
JM	I.S. 300	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.50	6.50 R
JM	I.S. 300	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	8.70 R
JM	I.S. 300	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	2.50	10.90 R
JM	I.S. 300	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	3.00	13.00 R
JM	I.S. 300	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	3.50	15.20 R
JM	I.S. 300	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	4.00	17.40 R
JM	I.S. 300	FIBER GLASS	FACED SINGLE MATL	PLASTIC	WALL	YES	YES	1.00	4.30 R
JM	I.S. 300	FIBER GLASS	FACED SINGLE MATL	PLASTIC	WALL	YES	YES	1.50	6.50 R
JM	I.S. 300	FIBER GLASS	FACED SINGLE MATL	PLASTIC	WALL	YES	YES	2.00	8.70 R
JM	I.S. 300	FIBER GLASS	FACED SINGLE MATL	PLASTIC	WALL	YES	YES	2.50	10.90 R
JM	I.S. 300	FIBER GLASS	FACED SINGLE MATL	PLASTIC	WALL	YES	YES	3.00	13.00 R
JM	I.S. 300	FIBER GLASS	FACED SINGLE MATL	PLASTIC	WALL	YES	YES	3.50	15.20 R

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JM = JOHNS MANVILLE

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
JM	I.S. 300	FIBER GLASS	FACED SINGLE MATL	PLASTIC	WALL	YES	YES	4.00	17.40 R
JM	I.S. 300 BLACK	FIBER GLASS	FACED SINGLE MATL	FBR GLS	WALL CLG	YES	NO	1.00	4.30 R
JM	I.S. 300 BLACK	FIBER GLASS	FACED SINGLE MATL	FBR GLS	WALL CLG	YES	NO	1.50	6.50 R
JM	I.S. 300 BLACK	FIBER GLASS	FACED SINGLE MATL	FBR GLS	WALL CLG	YES	NO	2.00	8.70 R
JM	I.S. 300 BLACK	FIBER GLASS	FACED SINGLE MATL	FBR GLS	WALL CLG	YES	NO	2.50	10.90 R
JM	I.S. 300 BLACK	FIBER GLASS	FACED SINGLE MATL	FBR GLS	WALL CLG	YES	NO	3.00	13.00 R
JM	I.S. 300 BLACK	FIBER GLASS	FACED SINGLE MATL	FBR GLS	WALL CLG	YES	NO	3.50	15.20 R
JM	I.S. 300 BLACK	FIBER GLASS	FACED SINGLE MATL	FBR GLS	WALL CLG	YES	NO	4.00	17.40 R
JM	I.S. 300 FSK/AP	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	NO	NO	1.00	4.30 R
JM	I.S. 300 FSK/AP	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	NO	NO	1.50	6.50 R
JM	I.S. 300 FSK/AP	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	NO	NO	2.00	8.70 R
JM	I.S. 300 FSK/AP	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	NO	NO	2.50	10.90 R
JM	I.S. 300 FSK/AP	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	NO	NO	3.00	13.00 R
JM	I.S. 300 FSK/AP	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	NO	NO	3.50	15.20 R
JM	I.S. 300 FSK/AP	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	NO	NO	4.00	17.40 R
JM	I.S. 600	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.00	4.50 R
JM	I.S. 600	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.50	6.80 R
JM	I.S. 600	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	9.10 R
JM	I.S. 600	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	2.50	11.40 R
JM	I.S. 600	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	3.00	13.90 R
JM	I.S. 600	FIBER GLASS	FACED SINGLE MATL	PLASTIC	WALL	YES	YES	1.00	4.50 R
JM	I.S. 600	FIBER GLASS	FACED SINGLE MATL	PLASTIC	WALL	YES	YES	1.50	6.80 R
JM	I.S. 600	FIBER GLASS	FACED SINGLE MATL	PLASTIC	WALL	YES	YES	2.00	9.10 R
JM	I.S. 600 BLACK	FIBER GLASS	FACED SINGLE MATL	FBR GLS	WALL CLG	YES	NO	1.00	4.50 R
JM	I.S. 600 BLACK	FIBER GLASS	FACED SINGLE MATL	FBR GLS	WALL CLG	YES	NO	1.50	6.80 R

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BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE	
JM	I.S. 600 BLACK	FIBER GLASS	FACED SINGLE MATL	FBR GLS	WALL CLG	YES	NO	2.00	9.10	R
JM	I.S. 600 BLACK	FIBER GLASS	FACED SINGLE MATL	FBR GLS	WALL CLG	YES	NO	2.50	11.40	R
JM	I.S. 600 BLACK	FIBER GLASS	FACED SINGLE MATL	FBR GLS	WALL CLG	YES	NO	3.00	13.90	R
JM	I.S. 600 FSK/AP	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	YES	YES	1.00	4.50	R
JM	I.S. 600 FSK/AP	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	YES	YES	1.50	6.80	R
JM	I.S. 600 FSK/AP	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	YES	YES	2.00	9.10	R
JM	I.S. 600 FSK/AP	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	YES	YES	2.50	11.40	R
JM	I.S. 600 FSK/AP	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	YES	YES	3.00	13.90	R
JM	INCOMB HULLBD	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	1.00	0.22	K
JM	INCOMB HULLBD	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	1.50	0.22	K
JM	INCOMB HULLBD	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	1.75	0.22	K
JM	INCOMB HULLBD	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	2.00	0.22	K
JM	MAD BD 475	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	1.00	0.23	C
JM	MAD BD 800	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	1.00	0.23	C
JM	MAD BD 800 R6	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	1.50	0.23	C
JM	MAD ROUND	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	1.00	0.23	C
JM	MADSPIRA	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.50	0.23	K
JM	MOLDED DIFFUSER	FIBER GLASS	COMPOSITE	METAL	EQUIPMENT	NO	YES	0.50	0.48	C
JM	MOLDED DIFFUSER	FIBER GLASS	COMPOSITE	METAL	EQUIPMENT	NO	YES	1.00	0.24	C
JM	OEM DIFFUSER BD	FIBER GLASS	COMPOSITE	METAL	EQUIPMENT	NO	YES	1.00	0.23	C
JM	OEM DIFFUSER BD	FIBER GLASS	COMPOSITE	METAL	EQUIPMENT	NO	YES	1.38	0.17	C
JM	PERMACOTE R-300	FIBER GLASS	FACED SINGLE MATL	NONE	DUCTS	YES	NO	1.00	0.23	C
JM	PERMACOTE R-300	FIBER GLASS	FACED SINGLE MATL	NONE	DUCTS	YES	NO	1.50	0.16	C
JM	PERMACOTE R-300	FIBER GLASS	FACED SINGLE MATL	NONE	DUCTS	YES	NO	2.00	0.12	C
JM	PERMSPIRA	FIBER GLASS	FACED SINGLE MATL	NONE	DUCTS	YES	NO	1.00	0.23	K

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BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
JM	PERMSPIRA	FIBER GLASS	FACED SINGLE MATL	NONE	DUCTS	YES	NO	1.50	0.23 K
JM	R8 RES BD	FIBER GLASS	FACED SINGLE MATL	MTL/FOIL	DUCTS	YES	YES	2.00	0.23 K
JM	R8 SUPERDUCT	FIBER GLASS	COMPOSITE	MTL/FOIL	DICTS	YES	YES	2.00	0.24 K
JM	SUPERDUCT 475	FIBER GLASS	COMPOSITE	MTL/FOIL	DUCTS	YES	YES	1.00	0.23 K
JM	SUPERDUCT 800	FIBER GLASS	COMPOSITE	MTL/FOIL	DUCTS	YES	YES	1.00	0.23 K
JM	SUPERDUCT 800 R6	FIBER GLASS	COMPOSITE	MTL/FOIL	DUCTS	YES	YES	1.50	0.23 K
JM	SUPERROUND	FIBER GLASS	COMPOSITE	MTL/FOIL	DUCTS	YES	YES	1.00	0.23 K
JM	SUSPEND-R	FIBER GLASS	FACED SINGLE MATL	PLASTIC	CEILING	YES	YES	1.50	6.00 R
JM	THERMOLINER	FIBER GLASS	FACED SINGLE MATL	PLASTIC	CEILING WALL	YES	YES	1.50	6.00 R

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JM = JOHNS MANVILLE

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICA-TIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORM-ANCE IN R,K, OR C VALUE
KNF	ADB 475	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	1.00	4.30 R
KNF	ADB 800	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	1.00	4.30 R
KNF	ADB 800	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	1.50	6.50 R
KNF	ADB 800	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	2.00	8.70 R
KNF	ADB AGM 475	FIBER GLASS	COMPOSITE	MTL/PLAS	DUCTS	YES	YES	1.00	4.30 R
KNF	ADB AGM 800	FIBER GLASS	COMPOSITE	MTL/PLAS	DUCTS	YES	YES	1.00	4.30 R
KNF	ADB AGM 800	FIBER GLASS	COMPOSITE	MTL/PLAS	DUCTS	YES	YES	1.50	6.50 R
KNF	ADB AGM 800	FIBER GLASS	COMPOSITE	MTL/PLAS	DUCTS	YES	YES	2.00	8.70 R
KNF	ADB MFG HSG	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	0.8125	3.50 R
KNF	ADBM 475	FIBER GLASS	COMPOSITE	MTL/PLAS	DUCTS	YES	YES	1.00	4.30 R
KNF	ADBM 800	FIBER GLASS	COMPOSITE	MTL/PLAS	DUCTS	YES	YES	1.00	4.30 R
KNF	ADBM 800	FIBER GLASS	COMPOSITE	MTL/PLAS	DUCTS	YES	YES	1.50	6.50 R
KNF	INSULBD FCD 2.25PCF	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	YES	YES	1.50	6.50 R
KNF	INSULBD FCD 2.25PCF	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	YES	YES	2.00	8.70 R
KNF	INSULBD FCD 2.25PCF	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	YES	YES	3.00	13.00 R
KNF	INSULBD FCD 2.25PCF	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	YES	YES	4.00	17.40 R
KNF	INSULBD FCD 3.0PCF	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	YES	YES	1.00	4.30 R
KNF	INSULBD FCD 3.0PCF	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	YES	YES	1.50	6.50 R
KNF	INSULBD FCD 3.0PCF	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	YES	YES	2.00	8.70 R
KNF	INSULBD FCD 3.0PCF	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	YES	YES	3.00	13.00 R
KNF	INSULBD FCD 3.0PCF	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	YES	YES	4.00	17.40 R
KNF	INSULBD FCD 3.0PCF	FIBER GLASS	FACED SINGLE MATL	KRAFT	WALL	YES	YES	1.00	4.30 R
KNF	INSULBD FCD 3.0PCF	FIBER GLASS	FACED SINGLE MATL	KRAFT	WALL	YES	YES	1.50	6.50 R
KNF	INSULBD FCD 3.0PCF	FIBER GLASS	FACED SINGLE MATL	KRAFT	WALL	YES	YES	2.00	8.70 R
KNF	INSULBD FCD 3.0PCF	FIBER GLASS	FACED SINGLE MATL	KRAFT	WALL	YES	YES	3.00	13.00 R

* DESCRIPTION OF BRAND CODES
KNF = KNAUF FIBER GLASS

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
KNF	INSULBD FCD 3.0PCF	FIBER GLASS	FACED SINGLE MATL	KRAFT	WALL	YES	YES	4.00	17.40 R
KNF	INSULBD FCD 4.25PCF	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	YES	YES	1.00	4.30 R
KNF	INSULBD FCD 4.25PCF	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	YES	YES	1.50	6.50 R
KNF	INSULBD FCD 4.25PCF	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	YES	YES	2.00	8.70 R
KNF	INSULBD FCD 4.25PCF	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	YES	YES	2.50	10.90 R
KNF	INSULBD FCD 6.0PCF	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	YES	YES	1.00	4.40 R
KNF	INSULBD FCD 6.0PCF	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	YES	YES	1.50	6.70 R
KNF	INSULBD FCD 6.0PCF	FIBER GLASS	FACED SINGLE MATL	METAL	WALL	YES	YES	2.00	8.90 R
KNF	INSULBD FCD 6.0PCF	FIBER GLASS	FACED SINGLE MATL	KRAFT	WALL	YES	YES	1.00	4.40 R
KNF	INSULBD FCD 6.0PCF	FIBER GLASS	FACED SINGLE MATL	KRAFT	WALL	YES	YES	1.50	6.70 R
KNF	INSULBD FCD 6.0PCF	FIBER GLASS	FACED SINGLE MATL	KRAFT	WALL	YES	YES	2.00	8.90 R
KNF	INSULBD PLN 1.6PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.50	6.30 R
KNF	INSULBD PLN 1.6PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	8.30 R
KNF	INSULBD PLN 1.6PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	3.00	12.50 R
KNF	INSULBD PLN 1.6PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	4.00	16.70 R
KNF	INSULBD PLN 2.25PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.50	6.50 R
KNF	INSULBD PLN 2.25PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	8.70 R
KNF	INSULBD PLN 2.25PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	3.00	13.00 R
KNF	INSULBD PLN 2.25PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	4.00	17.40 R
KNF	INSULBD PLN 3.0PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.00	4.30 R
KNF	INSULBD PLN 3.0PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.50	6.50 R
KNF	INSULBD PLN 3.0PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	8.70 R
KNF	INSULBD PLN 3.0PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	3.00	13.00 R
KNF	INSULBD PLN 3.0PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	4.00	17.40 R
KNF	INSULBD PLN 4.25PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.00	4.30 R

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KNF = KNAUF FIBER GLASS

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
KNF	INSULBD PLN 4.25PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.50	6.50 R
KNF	INSULBD PLN 4.25PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	8.70 R
KNF	INSULBD PLN 4.25PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	2.50	10.90 R
KNF	INSULBD PLN 6.0PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.00	4.40 R
KNF	INSULBD PLN 6.0PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.50	6.70 R
KNF	INSULBD PLN 6.0PCF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	8.90 R
KNF	RGD DT LIN 3PCF	FIBER GLASS	COMPOSITE	PLASTIC	DUCTS	YES	NO	1.00	4.30 R
KNF	RGD DT LIN 3PCF	FIBER GLASS	COMPOSITE	PLASTIC	DUCTS	YES	NO	1.50	6.50 R
KNF	RGD DT LIN 3PCF	FIBER GLASS	COMPOSITE	PLASTIC	DUCTS	YES	NO	2.00	8.60 R
KNF	RGD DT LIN 3PCF	FIBER GLASS	COMPOSITE	PLASTIC	DUCTS	YES	NO	3.00	13.00 R

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KNF = KNAUF FIBER GLASS

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
FG	CURTAIN WALL FAC	FIBERGLASS	FACED SINGLE MATL	METAL	WALL	YES	YES	1.50	0.23 K
FG	CURTAIN WALL FAC	FIBERGLASS	FACED SINGLE MATL	METAL	WALL	YES	YES	2.00	0.23 K
FG	CURTAIN WALL FAC	FIBERGLASS	FACED SINGLE MATL	METAL	WALL	YES	YES	2.50	0.23 K
FG	CURTAIN WALL FAC	FIBERGLASS	FACED SINGLE MATL	METAL	WALL	YES	YES	3.00	0.23 K
FG	CURTAIN WALL UNF	FIBERGLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.00	0.23 K
FG	CURTAIN WALL UNF	FIBERGLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.50	0.23 K
FG	CURTAIN WALL UNF	FIBERGLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	0.23 K
FG	CURTAIN WALL UNF	FIBERGLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	2.50	0.23 K
FG	CURTAIN WALL UNF	FIBERGLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	3.00	0.23 K
FG	INSUL-QUICK	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.00	0.23 K
FG	INSUL-QUICK	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	1.50	0.23 K
FG	INSUL-QUICK	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.00	0.23 K
FG	INSUL-QUICK	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	2.50	0.23 K
FG	INSUL-QUICK	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.00	0.23 K
FG	INSUL-QUICK	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	3.50	0.23 K
FG	INSUL-QUICK	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	YES	NO	4.00	0.23 K
FG	INSUL-QUICKFACED	FIBERGLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	YES	1.00	0.23 K
FG	INSUL-QUICKFACED	FIBERGLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	YES	1.50	0.23 K
FG	INSUL-QUICKFACED	FIBERGLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	YES	2.00	0.23 K
FG	INSUL-QUICKFACED	FIBERGLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	YES	2.50	0.23 K
FG	INSUL-QUICKFACED	FIBERGLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	YES	3.00	0.23 K
FG	MH DUCT BOARD	FIBERGLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	0.63	0.28 C
FG	PRE-SC PERIMETER	FIBERGLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.00	4.30 R
FG	RIFB	FIBERGLASS	FACED SINGLE MATL	PLASTIC	CEILING/WALLS	YES	NO	1.00	0.23 K
FG	TIW TYPE 1	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.26 K

* DESCRIPTION OF BRAND CODES
FG = FIBERGLAS

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
FG	TIW TYPE 1	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.50	0.26 K
FG	TIW TYPE 1	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.00	0.26 K
FG	TIW TYPE 1	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.50	0.26 K
FG	TIW TYPE 1	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.00	0.26 K
FG	TIW TYPE 1	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.50	0.26 K
FG	TIW TYPE 1	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	4.00	0.26 K
FG	TIW TYPE 2	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.22 K
FG	TIW TYPE 2	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.50	0.22 K
FG	TIW TYPE 2	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.00	0.22 K
FG	TIW TYPE 2	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.50	0.22 K
FG	TIW TYPE 2	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.00	0.22 K
FG	TIW TYPE 2	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.25	0.22 K
FG	TIW TYPE 2	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.50	0.22 K
FG	TIW TYPE 2	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.75	0.22 K
FG	TIW TYPE 2	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	4.00	0.22 K
FG	WALL & INDUS 701	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.24 K
FG	WALL & INDUS 701	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.50	0.24 K
FG	WALL & INDUS 701	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.00	0.24 K
FG	WALL & INDUS 701	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.50	0.24 K
FG	WALL & INDUS 701	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.00	0.24 K
FG	WALL & INDUS 701	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.50	0.24 K
FG	WALL & INDUS 701	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	4.00	0.24 K
FG	WALL & INDUS 702	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.23 K
FG	WALL & INDUS 702	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.50	0.23 K
FG	WALL & INDUS 702	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.00	0.23 K

* DESCRIPTION OF BRAND CODES
FG = FIBERGLAS

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICA-TIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORM-ANCE IN R,K, OR C VALUE
FG	WALL & INDUS 702	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.50	0.23 K
FG	WALL & INDUS 702	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.00	0.23 K
FG	WALL & INDUS 702	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.50	0.23 K
FG	WALL & INDUS 702	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	4.00	0.23 K
FG	WALL & INDUS 703	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.23 K
FG	WALL & INDUS 703	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.25	0.23 K
FG	WALL & INDUS 703	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.50	0.23 K
FG	WALL & INDUS 703	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.00	0.23 K
FG	WALL & INDUS 703	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.50	0.23 K
FG	WALL & INDUS 703	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.00	0.23 K
FG	WALL & INDUS 703	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.25	0.23 K
FG	WALL & INDUS 703	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.50	0.23 K
FG	WALL & INDUS 703	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	4.00	0.23 K
FG	WALL & INDUS 704	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.23 K
FG	WALL & INDUS 704	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.25	0.23 K
FG	WALL & INDUS 704	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.50	0.23 K
FG	WALL & INDUS 704	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.00	0.23 K
FG	WALL & INDUS 704	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.50	0.23 K
FG	WALL & INDUS 704	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.00	0.23 K
FG	WALL & INDUS 705	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	0.23 K
FG	WALL & INDUS 705	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.50	0.23 K
FG	WALL & INDUS 705	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.00	0.23 K
FG	WALL & INDUS 705	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	2.50	0.23 K
FG	WALL & INDUS 705	FIBERGLASS	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	3.00	0.23 K
FG	WALL&IND ASJ 703	FIBERGLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	YES	1.00	0.23 K

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BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
FG	WALL&IND ASJ 703	FIBERGLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	YES	1.50	0.23 K
FG	WALL&IND ASJ 703	FIBERGLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	YES	2.00	0.23 K
FG	WALL&IND ASJ 703	FIBERGLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	YES	2.50	0.23 K
FG	WALL&IND ASJ 703	FIBERGLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	YES	3.00	0.23 K
FG	WALL&IND ASJ 704	FIBERGLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	YES	1.00	0.24 K
FG	WALL&IND ASJ 704	FIBERGLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	YES	1.50	0.24 K
FG	WALL&IND ASJ 704	FIBERGLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	YES	2.00	0.24 K
FG	WALL&IND ASJ 704	FIBERGLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	YES	2.50	0.24 K
FG	WALL&IND ASJ 704	FIBERGLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	YES	3.00	0.24 K
FG	WALL&IND ASJ 705	FIBERGLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	YES	1.00	0.24 K
FG	WALL&IND ASJ 705	FIBERGLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	YES	1.50	0.24 K
FG	WALL&IND ASJ 705	FIBERGLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	YES	2.00	0.24 K
FG	WALL&IND ASJ 705	FIBERGLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	YES	2.50	0.24 K
FG	WALL&IND ASJ 705	FIBERGLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	YES	3.00	0.24 K
FG	WALL&IND FRK 703	FIBERGLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	YES	1.00	0.23 K
FG	WALL&IND FRK 703	FIBERGLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	YES	1.50	0.23 K
FG	WALL&IND FRK 703	FIBERGLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	YES	2.00	0.23 K
FG	WALL&IND FRK 703	FIBERGLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	YES	2.50	0.23 K
FG	WALL&IND FRK 703	FIBERGLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	YES	3.00	0.23 K
FG	WALL&IND FRK 704	FIBERGLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	YES	1.00	0.24 K
FG	WALL&IND FRK 704	FIBERGLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	YES	1.50	0.24 K
FG	WALL&IND FRK 704	FIBERGLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	YES	2.00	0.24 K
FG	WALL&IND FRK 704	FIBERGLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	YES	2.50	0.24 K
FG	WALL&IND FRK 704	FIBERGLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	YES	3.00	0.24 K
FG	WALL&IND FRK 704	FIBERGLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	YES	1.00	0.23 K

* DESCRIPTION OF BRAND CODES
FG = FIBERGLAS

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICA-TIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORM-ANCE IN R,K, OR C VALUE
FG	WALL&IND FRK 704	FIBERGLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	YES	1.50	0.23 K
FG	WALL&IND FRK 704	FIBERGLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	YES	2.00	0.23 K
FG	WALL&IND FRK 704	FIBERGLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	YES	2.50	0.23 K
FG	WALL&IND FRK 704	FIBERGLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	YES	3.00	0.23 K
FG	WALL&IND FRK 705	FIBERGLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	YES	1.00	0.24 K
FG	WALL&IND FRK 705	FIBERGLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	YES	1.50	0.24 K
FG	WALL&IND FRK 705	FIBERGLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	YES	2.00	0.24 K
FG	WALL&IND FRK 705	FIBERGLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	YES	2.50	0.24 K
FG	WALL&IND FRK 705	FIBERGLASS	FACED SINGLE MATL	METAL	EQUIPMENT	YES	YES	3.00	0.24 K
FG	WARM-N-DRI EXTER	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	0.75	3.00 R
FG	WARM-N-DRI EXTER	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.19	5.00 R
FG	WARM-N-DRI EXTER	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	2.38	10.00 R
FG	WARM-N-DRI EXTER	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	3.00	12.50 R

* DESCRIPTION OF BRAND CODES
FG = FIBERGLAS

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE	
RI	AFB	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	1.50	6.10	R
RI	AFB	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	8.06	R
RI	AFB	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.00	12.03	R
RI	AFB	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.50	14.11	R
RI	RHT 60	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	8.80	R
RI	RHT 60	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.00	13.20	R
RI	RHT 60	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	4.00	17.60	R
RI	RHT 80	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	8.56	R
RI	RHT 80	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.00	12.80	R
RI	RHT 80	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	4.00	17.10	R
RI	ROXUL PLUS	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.50	14.00	R
RI	ROXUL PLUS	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	5.50	22.00	R
RI	SAFING	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	4.00	16.72	R

* DESCRIPTION OF BRAND CODES
RI = ROXUL INC

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
TCW	CW40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	8.00 R
TCW	CW40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	2.50	10.00 R
TCW	CW40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.00	12.00 R
TCW	CW40	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	4.00	16.00 R
TCW	CW40	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	2.00	8.00 R
TCW	CW40	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	2.50	10.00 R
TCW	CW40	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	3.00	12.00 R
TCW	CW40	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	4.00	16.00 R
TCW	CW70	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	1.50	6.20 R
TCW	CW70	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	8.30 R
TCW	CW70	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.00	12.50 R
TCW	CW70	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	4.00	16.70 R
TCW	CW70	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	1.50	6.20 R
TCW	CW70	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	2.00	8.30 R
TCW	CW70	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	3.00	12.50 R
TCW	CW90	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	1.00	4.30 R
TCW	CW90	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	1.50	6.50 R
TCW	CW90	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	8.70 R
TCW	CW90	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	2.50	10.90 R
TCW	CW90	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.00	13.00 R
TCW	CW90	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	4.00	17.40 R
TCW	CW90	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	1.00	4.30 R
TCW	CW90	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	1.50	6.50 R
TCW	CW90	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	2.00	8.70 R
TCW	CW90	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	2.50	10.90 R

* DESCRIPTION OF BRAND CODES
TCW = THERMAFIBER CURTAIN WALL INSULATION

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
TCW	CW90	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	3.00	13.00 R
TCW	FIRESPAN	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	1.00	4.30 R
TCW	FIRESPAN	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	1.50	6.50 R
TCW	FIRESPAN	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	8.70 R
TCW	FIRESPAN	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	2.50	10.90 R
TCW	FIRESPAN	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.00	13.00 R
TCW	FIRESPAN	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	4.00	17.40 R
TCW	FIRESPAN	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	1.00	4.30 R
TCW	FIRESPAN	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	1.50	6.50 R
TCW	FIRESPAN	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	2.00	8.70 R
TCW	FIRESPAN	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	2.50	10.90 R
TCW	FIRESPAN	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	3.00	13.00 R
TCW	FIRESPAN SS	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	8.00 R
TCW	FIRESPAN SS	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	2.50	10.00 R
TCW	FIRESPAN SS	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.00	12.00 R
TCW	FIRESPAN SS	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	4.00	16.00 R
TCW	FIRESPAN SS	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	2.00	8.00 R
TCW	FIRESPAN SS	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	2.50	10.00 R
TCW	FIRESPAN SS	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	3.00	12.00 R
TCW	FIRESPAN SS	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	4.00	16.00 R
TCW	FS-15	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	2.00	7.40 R
TCW	FS-15	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.00	11.00 R
TCW	FS-15	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	3.50	13.00 R
TCW	FS-15	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	5.25	19.00 R
TCW	FS-15	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	6.00	22.00 R

* DESCRIPTION OF BRAND CODES
TCW = THERMAFIBER CURTAIN WALL INSULATION

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
TCW	FS-25	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	3.00	11.00 R
TCW	FS-25	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	3.50	13.00 R
TCW	FS-25	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	5.25	19.00 R
TCW	FS-25	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	6.00	22.00 R
TCW	SAFING	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	4.00	16.00 R
TCW	SAFING	ROCKWOOL	FACED SINGLE MATL	METAL	WALL	YES	YES	4.00	16.00 R

* DESCRIPTION OF BRAND CODES
TCW = THERMAFIBER CURTAIN WALL INSULATION

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
ARC	ACFOAM COMP	ISOCYANURATE	COMPOSITE	PERLITE/GLS FBR	ROOF DECK	NO	NO	1.50	7.40 R
ARC	ACFOAM COMP	ISOCYANURATE	COMPOSITE	PERLITE/GLS FBR	ROOF DECK	NO	NO	1.80	9.20 R
ARC	ACFOAM COMP	ISOCYANURATE	COMPOSITE	PERLITE/GLS FBR	ROOF DECK	NO	NO	2.20	11.70 R
ARC	ACFOAM COMP	ISOCYANURATE	COMPOSITE	PERLITE/GLS FBR	ROOF DECK	NO	NO	2.40	12.90 R
ARC	ACFOAM COMP	ISOCYANURATE	COMPOSITE	PERLITE/GLS FBR	ROOF DECK	NO	NO	3.10	17.30 R
ARC	ACFOAM COMP/GB	ISOCYANURATE	COMPOSITE/DD	GLASS FIBER	ROOF DECK	NO	NO	1.30	6.30 R
ARC	ACFOAM COMP/GB	ISOCYANURATE	COMPOSITE/DD	GLASS FIBER	ROOF DECK	NO	NO	4.30	25.30 R
ARC	ACFOAM-II	ISOCYANURATE	FACED SGL MATL	GLASS FIBER FELT	ROOF DECK	NO	NO	1.00	6.00 R
ARC	ACFOAM-II	ISOCYANURATE	FACED SGL MATL	GLASS FIBER FELT	ROOF DECK	NO	NO	1.50	9.00 R
ARC	ACFOAM-II	ISOCYANURATE	FACED SGL MATL	GLASS FIBER FELT	ROOF DECK	NO	NO	2.00	12.10 R
ARC	ACFOAM-II	ISOCYANURATE	FACED SGL MATL	GLASS FIBER FELT	ROOF DECK	NO	NO	2.80	17.20 R
ARC	ACFOAM-II	ISOCYANURATE	FACED SGL MATL	GLASS FIBER FELT	ROOF DECK	NO	NO	3.00	18.50 R
ARC	ACFOAM-II	ISOCYANURATE	FACED SGL MATL	GLASS FIBER FELT	ROOF DECK	NO	NO	4.00	25.00 R
ARC	ACFOAM-III	ISOCYANURATE	FACED SGL MATL	COATED GLASS FELT	ROOF DECK	NO	NO	1.00	6.00 R
ARC	ACFOAM-III	ISOCYANURATE	FACED SGL MATL	COATED GLASS FELT	ROOF DECK	NO	NO	3.00	18.50 R
ARC	ACFOAM SUPREME	ISOCYANURATE	FACED SGL MATL	ALUM FOIL KRAFT	ROOF DECK	NO	NO	1.00	6.20 R
ARC	ACFOAM SUPREME	ISOCYANURATE	FACED SGL MATL	ALUM FOIL KRAFT	ROOF DECK	NO	NO	1.50	9.30 R
ARC	ACFOAM SUPREME	ISOCYANURATE	FACED SGL MATL	ALUM FOIL KRAFT	ROOF DECK	NO	NO	2.00	12.40 R
ARC	ACFOAM SUPREME	ISOCYANURATE	FACED SGL MATL	ALUM FOIL KRAFT	ROOF DECK	NO	NO	2.80	17.40 R
ARC	ACFOAM SUPREME	ISOCYANURATE	FACED SGL MATL	ALUM FOIL KRAFT	ROOF DECK	NO	NO	3.00	18.60 R
ARC	ACFOAM SUPREME	ISOCYANURATE	FACED SGL MATL	ALUM FOIL KRAFT	ROOF DECK	NO	NO	4.00	25.00 R
ARC	ATLAS NAILBASE	ISOCYANURATE	COMPOSITE	WAFERBOARD	ROOF DECK	NO	NO	1.50	6.60 R
ARC	ATLAS NAILBASE	ISOCYANURATE	COMPOSITE	WAFERBOARD	ROOF DECK	NO	NO	2.00	9.60 R
ARC	ATLAS NAILBASE	ISOCYANURATE	COMPOSITE	WAFERBOARD	ROOF DECK	NO	NO	3.00	15.90 R
ARC	ATLAS NAILBASE	ISOCYANURATE	COMPOSITE	WAFERBOARD	ROOF DECK	NO	NO	4.00	22.30 R

* DESCRIPTION OF BRAND CODES
ARC = ATLAS ROOFING CORP

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICA-TIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICK-NESS INCHES	LABELED THERMAL PERFORM-ANCE IN R,K, OR C VALUE
ARC	ENERGY SHIELD	ISOCYANURATE	FACED SGL MATL	METAL	CLG WALL FLR	NO	YES**	0.50	3.60 R
ARC	ENERGY SHIELD	ISOCYANURATE	FACED SGL MATL	METAL	CLG WALL FLR	NO	YES**	0.62	4.50 R
ARC	ENERGY SHIELD	ISOCYANURATE	FACED SGL MATL	METAL	CLG WALL FLR	NO	YES**	0.75	5.40 R
ARC	ENERGY SHIELD	ISOCYANURATE	FACED SGL MATL	METAL	CLG WALL FLR	NO	YES**	1.00	7.20 R
ARC	ENERGY SHIELD	ISOCYANURATE	FACED SGL MATL	METAL	CLG WALL FLR	NO	YES**	1.50	10.80 R
ARC	ENERGY SHIELD	ISOCYANURATE	FACED SGL MATL	METAL	CLG WALL FLR	NO	YES**	2.00	14.40 R
ARC	RBOARD	ISOCYANURATE	FACED SGL MATL	COATED FIBER	WALL	NO	NO	0.50	3.10 R
ARC	RBOARD	ISOCYANURATE	FACED SGL MATL	COATED FIBER	WALL	NO	NO	1.00	6.20 R
ARC	STUCCO-SHIELD	ISOCYANURATE	FACED SGL MATL	OTHER	CLG WALL FLR	NO	NO	1.00	6.00 R
ARC	STUCCO-SHIELD	ISOCYANURATE	FACED SGL MATL	OTHER	CLG WALL FLR	NO	NO	1.50	10.00 R
ARC	STUCCO-SHIELD	ISOCYANURATE	FACED SGL MATL	OTHER	CLG WALL FLR	NO	NO	2.00	14.30 R
ARC	CROSSVENT	ISOCYANURATE	COMPOSITE	WAFERBOARD	ROOF DECK	NO	NO	2.50	6.00 R
ARC	CROSSVENT	ISOCYANURATE	COMPOSITE	WAFERBOARD	ROOF DECK	NO	NO	6.50	25.00 R
ARC	CROSSVENT RB	ISOCYANURATE	COMPOSITE/RB	WAFERBOARD	ROOF DECK	NO	NO	2.50	6.00 R
ARC	CROSSVENT RB	ISOCYANURATE	COMPOSITE/RB	WAFERBOARD	ROOF DECK	NO	NO	6.50	25.00 R

** With taped joints.

* DESCRIPTION OF BRAND CODES
ARC = ATLAS ROOFING CORP

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
CVT	CELO-VENT	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.50	7.10 R
CVT	CELO-VENT	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.00	11.10 R
CVT	CELO-VENT	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.50	15.40 R
CVT	CELO-VENT	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.75	19.50 R
CVT	CELO-VENT	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	4.00	19.30 R
CVT	CELO-VENT	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	4.25	21.10 R
CVT	CELO-VENT	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	4.50	22.80 R
CVT	CELO-VENT	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	4.75	24.40 R
CVT	CELO-VENT	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	5.00	26.90 R
CVT	CELO-VENT	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	5.25	29.30 R
CVT	CELO-VENT	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	5.50	31.30 R
HAP	HY-THERM AP	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.00	6.00 R
HAP	HY-THERM AP	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.10	6.70 R
HAP	HY-THERM AP	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.20	7.50 R
HAP	HY-THERM AP	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.30	8.30 R
HAP	HY-THERM AP	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.50	10.00 R
HAP	HY-THERM AP	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.60	10.80 R
HAP	HY-THERM AP	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.70	11.60 R
HAP	HY-THERM AP	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.80	12.50 R
HAP	HY-THERM AP	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.90	13.20 R
HAP	HY-THERM AP	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.00	14.30 R
HAP	HY-THERM AP	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.10	14.80 R
HAP	HY-THERM AP	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.20	15.60 R
HAP	HY-THERM AP	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.30	16.70 R
HAP	HY-THERM AP	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.40	17.30 R

* DESCRIPTION OF BRAND CODES
CVT = CELO-VENT HAP = HY-THERM AP

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
HAP	HY-THERM AP	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.50	18.20 R
HAP	HY-THERM AP	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.60	19.00 R
HAP	HY-THERM AP	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.70	19.70 R
HAP	HY-THERM AP	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.80	20.00 R
HAP	HY-THERM AP	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.90	21.00 R
HAP	HY-THERM AP	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.00	21.70 R
HAP	HY-THERM AP	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.20	23.30 R
HAP	HY-THERM AP	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.30	24.10 R
HAP	HY-THERM AP	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.40	25.00 R
HAP	HY-THERM AP	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.50	25.80 R
HAP	HY-THERM AP	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.80	28.20 R
HAP	HY-THERM AP	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.90	29.00 R
HAP	HY-THERM AP	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	4.00	30.20 R
HCP	HY-THERM COMP P	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.50	7.20 R
HCP	HY-THERM COMP P	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.80	9.60 R
HCP	HY-THERM COMP P	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.00	10.90 R
HCP	HY-THERM COMP P	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.10	12.10 R
HCP	HY-THERM COMP P	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.20	12.50 R
HCP	HY-THERM COMP P	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.30	13.80 R
HCP	HY-THERM COMP P	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.40	14.00 R
HCP	HY-THERM COMP P	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.50	15.20 R
HCP	HY-THERM COMP P	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.70	16.70 R
HCP	HY-THERM COMP P	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.00	19.50 R
HCP	HY-THERM COMP P	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.50	24.70 R
HCP	HY-THERM COMP P	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.80	25.80 R

* DESCRIPTION OF BRAND CODES
HAP = HY-THERM AP HCP = HY-THERM COMP P

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
HCP	HY-THERM COMP P	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	4.00	27.00 R
HNL	HY-THERM NAIL LI	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.50	6.60 R
HNL	HY-THERM NAIL LI	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.60	8.20 R
HNL	HY-THERM NAIL LI	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.70	8.80 R
HNL	HY-THERM NAIL LI	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.80	9.60 R
HNL	HY-THERM NAIL LI	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.90	10.30 R
HNL	HY-THERM NAIL LI	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.00	10.70 R
HNL	HY-THERM NAIL LI	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.10	11.90 R
HNL	HY-THERM NAIL LI	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.20	12.70 R
HNL	HY-THERM NAIL LI	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.30	13.40 R
HNL	HY-THERM NAIL LI	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.40	14.30 R
HNL	HY-THERM NAIL LI	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.50	15.00 R
HNL	HY-THERM NAIL LI	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.70	16.60 R
HNL	HY-THERM NAIL LI	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.00	18.90 R
HNL	HY-THERM NAIL LI	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.20	20.50 R
HNL	HY-THERM NAIL LI	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.50	23.00 R
HNL	HY-THERM NAIL LI	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.80	25.80 R
HNL	HY-THERM NAIL LI	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	4.00	27.00 R
HNL	HY-THERM NAIL LI	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	4.25	28.60 R
HNL	HY-THERM NAIL LI	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	4.40	29.70 R
HTP	HY-THERM TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	0.75	4.40 R
HTP	HY-THERM TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.25	7.60 R
HTP	HY-THERM TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.75	11.40 R
HTP	HY-THERM TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.25	15.30 R
HTP	HY-THERM TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.00	5.80 R

* DESCRIPTION OF BRAND CODES
HCP = HY-THERM COMP P HNL = HY-THERMA NAIL LINE HTP = HY-THERMA TAPERED

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
HCP	HY-THERM COMP P	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	4.00	27.00 R
HNL	HY-THERM NAIL LI	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.50	6.60 R
HNL	HY-THERM NAIL LI	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.60	8.20 R
HNL	HY-THERM NAIL LI	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.70	8.80 R
HNL	HY-THERM NAIL LI	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.80	9.60 R
HNL	HY-THERM NAIL LI	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.90	10.30 R
HNL	HY-THERM NAIL LI	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.00	10.70 R
HNL	HY-THERM NAIL LI	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.10	11.90 R
HNL	HY-THERM NAIL LI	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.20	12.70 R
HNL	HY-THERM NAIL LI	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.30	13.40 R
HNL	HY-THERM NAIL LI	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.40	14.30 R
HNL	HY-THERM NAIL LI	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.50	15.00 R
HNL	HY-THERM NAIL LI	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.70	16.60 R
HNL	HY-THERM NAIL LI	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.00	18.90 R
HNL	HY-THERM NAIL LI	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.20	20.50 R
HNL	HY-THERM NAIL LI	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.50	23.00 R
HNL	HY-THERM NAIL LI	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.80	25.80 R
HNL	HY-THERM NAIL LI	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	4.00	27.00 R
HNL	HY-THERM NAIL LI	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	4.25	28.60 R
HNL	HY-THERM NAIL LI	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	4.40	29.70 R
HTP	HY-THERM TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	0.75	4.40 R
HTP	HY-THERM TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.25	7.60 R
HTP	HY-THERM TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.75	11.40 R
HTP	HY-THERM TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.25	15.30 R
HTP	HY-THERM TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.00	5.80 R

* DESCRIPTION OF BRAND CODES
HCP = HY-THERM COMP P HNL = HY-THERM NAIL LINE HTP = HY-THERM TAPERED

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
HTP	HY-THERM TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.50	9.40 R
HTP	HY-THERM TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.00	13.40 R
HTP	HY-THERM TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.50	17.20 R
HTP	HY-THERM TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.00	21.40 R
HTP	HY-THERM TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.50	9.40 R
HTP	HY-THERM TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.50	17.20 R
QUK	QUIK-R WALL INS	ISOCYANURATE	FACED SINGLE MATL	F GLS MATT	WALL	NO	NO	0.50	2.80 R
QUK	QUIK-R WALL INS	ISOCYANURATE	FACED SINGLE MATL	F GLS MATT	WALL	NO	NO	0.63	3.50 R
QUK	QUIK-R WALL INS	ISOCYANURATE	FACED SINGLE MATL	F GLS MATT	WALL	NO	NO	0.75	4.20 R
QUK	QUIK-R WALL INS	ISOCYANURATE	FACED SINGLE MATL	F GLS MATT	WALL	NO	NO	0.88	5.00 R
QUK	QUIK-R WALL INS	ISOCYANURATE	FACED SINGLE MATL	F GLS MATT	WALL	NO	NO	1.00	5.60 R
QUK	QUIK-R WALL INS	ISOCYANURATE	FACED SINGLE MATL	F GLS MATT	WALL	NO	NO	1.50	8.40 R
QUK	QUIK-R WALL INS	ISOCYANURATE	FACED SINGLE MATL	F GLS MATT	WALL	NO	NO	2.00	11.20 R
CLX	STURDY-R	ISOCYANURATE	FACED SINGLE MATL	NONE	WALL	NO	NO	0.50	3.00 R
CLX	STURDY-R	ISOCYANURATE	FACED SINGLE MATL	NONE	WALL	NO	NO	0.56	3.50 R
CLX	STURDY-R	ISOCYANURATE	FACED SINGLE MATL	NONE	WALL	NO	NO	0.63	3.80 R
CLX	STURDY-R	ISOCYANURATE	FACED SINGLE MATL	NONE	WALL	NO	NO	0.75	4.00 R
CLX	STURDY-R	ISOCYANURATE	FACED SINGLE MATL	NONE	WALL	NO	NO	0.88	5.00 R
CLX	STURDY-R	ISOCYANURATE	FACED SINGLE MATL	NONE	WALL	NO	NO	1.00	5.60 R
CLX	STURDY-R	ISOCYANURATE	FACED SINGLE MATL	NONE	WALL	NO	NO	1.13	6.00 R
STR	SUPER TUFF-R	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	NO	YES	0.50	3.60 R
STR	SUPER TUFF-R	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	NO	YES	0.63	5.00 R
STR	SUPER TUFF-R	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	NO	YES	0.75	5.60 R
STR	SUPER TUFF-R	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	NO	YES	1.00	7.20 R
STC	SUPER TUFF-R C	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	NO	YES	1.00	7.20 R

* DESCRIPTION OF BRAND CODES
QUK = QUIK-R WALL INSULATION CLX = CELOTEX STR = SUPER TUFF-R STC = SUPER TUFF-R 'C'

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
STC	SUPER TUFF-R C	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	NO	YES	1.38	10.00 R
STC	SUPER TUFF-R C	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	NO	YES	1.50	10.80 R
STC	SUPER TUFF-R C	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	NO	YES	2.00	14.40 R
TXG	THERMAX AG-THERM	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	0.50	3.60 R
TXG	THERMAX AG-THERM	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	0.75	5.40 R
TXG	THERMAX AG-THERM	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	1.00	7.20 R
TXG	THERMAX AG-THERM	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	1.25	9.00 R
TXG	THERMAX AG-THERM	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	1.50	10.80 R
TXG	THERMAX AG-THERM	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	1.75	12.60 R
TXG	THERMAX AG-THERM	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	2.00	14.40 R
TXG	THERMAX AG-THERM	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	2.25	16.20 R
TXG	THERMAX AG-THERM	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	2.50	18.00 R
TXG	THERMAX AG-THERM	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	2.75	19.80 R
TXG	THERMAX AG-THERM	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	3.00	21.60 R
TXG	THERMAX AG-THERM	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	3.25	23.40 R
TXG	THERMAX AG-THERM	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	3.50	25.20 R
TXG	THERMAX AG-THERM	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	3.75	27.00 R
TXG	THERMAX AG-THERM	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	4.00	28.80 R
TXG	THERMAX AG-THERM	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	4.25	30.00 R
TXH	THERMAX HDUTY HD	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	0.50	3.60 R
TXH	THERMAX HDUTY HD	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	0.75	5.40 R
TXH	THERMAX HDUTY HD	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	1.00	7.20 R
TXH	THERMAX HDUTY HD	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	1.25	9.00 R
TXH	THERMAX HDUTY HD	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	1.50	10.80 R
TXH	THERMAX HDUTY HD	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	1.75	12.60 R

* DESCRIPTION OF BRAND CODES
STC = SUPER TUFF-R 'C' TXG = THERMAX AG-THERM TXH = THERMAX HEAVY DUTY

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
TXH	THERMAX HDUTY HD	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	2.00	14.40 R
TXH	THERMAX HDUTY HD	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	2.25	16.20 R
TXH	THERMAX HDUTY HD	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	2.50	18.00 R
TXH	THERMAX HDUTY HD	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	2.75	19.80 R
TXH	THERMAX HDUTY HD	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	3.00	21.60 R
TXP	THERMAX HD PLUS	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	0.50	3.60 R
TXP	THERMAX HD PLUS	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	0.75	5.40 R
TXP	THERMAX HD PLUS	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	1.00	7.20 R
TXP	THERMAX HD PLUS	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	1.25	9.00 R
TXP	THERMAX HD PLUS	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	1.50	10.80 R
TXP	THERMAX HD PLUS	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	1.75	12.60 R
TXP	THERMAX HD PLUS	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	2.00	14.40 R
TXP	THERMAX HD PLUS	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	2.25	16.20 R
TXP	THERMAX HD PLUS	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	2.50	18.00 R
TXP	THERMAX HD PLUS	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	2.75	19.80 R
TXP	THERMAX HD PLUS	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	3.00	21.60 R
TXL	THERMAX LDUTY LD	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	0.50	3.60 R
TXL	THERMAX LDUTY LD	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	0.75	5.40 R
TXL	THERMAX LDUTY LD	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	1.00	7.20 R
TXL	THERMAX LDUTY LD	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	1.25	9.00 R
TXL	THERMAX LDUTY LD	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	1.50	10.80 R
TXL	THERMAX LDUTY LD	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	1.75	12.60 R
TXL	THERMAX LDUTY LD	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	2.00	14.40 R
TXL	THERMAX LDUTY LD	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	2.25	16.20 R
TXL	THERMAX LDUTY LD	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	2.50	18.00 R

* DESCRIPTION OF BRAND CODES
TXH = THERMAX HEAVY DUTY TXP = THERMAX HEAVY DUTY PLUS TXL = THERMAX LIGHT DUTY

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
TXL	THERMAX LDUTY LD	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	2.75	19.80 R
TXL	THERMAX LDUTY LD	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	3.00	21.60 R
TXM	THERMAX MTL BLDG	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	0.50	3.60 R
TXM	THERMAX MTL BLDG	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	0.75	5.40 R
TXM	THERMAX MTL BLDG	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	1.00	7.20 R
TXM	THERMAX MTL BLDG	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	1.25	9.00 R
TXM	THERMAX MTL BLDG	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	1.50	10.80 R
TXM	THERMAX MTL BLDG	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	1.75	12.60 R
TXM	THERMAX MTL BLDG	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	2.00	14.40 R
TXM	THERMAX MTL BLDG	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	2.25	16.20 R
TXM	THERMAX MTL BLDG	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	2.50	18.00 R
TXM	THERMAX MTL BLDG	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	2.75	19.80 R
TXM	THERMAX MTL BLDG	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	3.00	21.60 R
TXM	THERMAX MTL BLDG	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	3.25	23.40 R
TXM	THERMAX MTL BLDG	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	3.50	25.20 R
TXM	THERMAX MTL BLDG	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	3.75	27.00 R
TXM	THERMAX MTL BLDG	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	4.00	28.80 R
TXM	THERMAX MTL BLDG	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	4.25	30.00 R
TXS	THERMAX SHEATH	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	0.50	3.60 R
TXS	THERMAX SHEATH	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	0.63	4.50 R
TXS	THERMAX SHEATH	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	0.75	5.40 R
TXS	THERMAX SHEATH	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	0.88	6.30 R
TXS	THERMAX SHEATH	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	1.00	7.20 R
TXS	THERMAX SHEATH	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	1.25	9.00 R
TXS	THERMAX SHEATH	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	1.38	9.90 R

* DESCRIPTION OF BRAND CODES
TXL = THERMAX LIGHT DUTY TXM = THERMAX METAL BLDG TXS = THERMAX SHEATH

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
TXS	THERMAX SHEATH	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	1.50	10.80 R
TXS	THERMAX SHEATH	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	1.75	12.60 R
TXS	THERMAX SHEATH	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	2.00	14.40 R
TXS	THERMAX SHEATH	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	2.25	16.20 R
TXS	THERMAX SHEATH	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	2.38	17.10 R
TXS	THERMAX SHEATH	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	2.50	18.00 R
TXS	THERMAX SHEATH	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	2.63	19.00 R
TXS	THERMAX SHEATH	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	2.75	19.80 R
TXS	THERMAX SHEATH	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	2.88	20.70 R
TXS	THERMAX SHEATH	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	3.00	21.60 R
TXS	THERMAX SHEATH	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	3.25	23.40 R
TXS	THERMAX SHEATH	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	3.50	25.20 R
TXS	THERMAX SHEATH	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	3.75	27.00 R
TXS	THERMAX SHEATH	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	4.00	28.80 R
TXS	THERMAX SHEATH	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	YES	YES	4.25	30.00 R
TFR	TUFF-R	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	NO	YES	0.50	3.60 R
TFR	TUFF-R	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	NO	YES	0.63	5.00 R
TFR	TUFF-R	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	NO	YES	0.75	5.60 R
TFR	TUFF-R	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	NO	YES	1.00	7.20 R
TFR	TUFF-R	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	NO	YES	1.10	7.92 R
TFR	TUFF-R	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	NO	YES	1.50	10.80 R
TFR	TUFF-R	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	NO	YES	2.00	14.40 R
TRC	TUFF-R 'C'	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	NO	YES	1.00	8.00 R
TRC	TUFF-R 'C'	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	NO	YES	1.25	10.00 R
TRC	TUFF-R 'C'	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	NO	YES	1.38	11.00 R

* DESCRIPTION OF BRAND CODES
TXS = THERMAX SHEATH TFR = TUFF-R TRC = TUFF-R 'C'

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
TRC	TUFF-R 'C'	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	NO	YES	1.50	12.00 R
TRC	TUFF-R 'C'	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	NO	YES	1.63	13.00 R
TRC	TUFF-R 'C'	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	NO	YES	1.75	14.00 R
TRC	TUFF-R 'C'	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	NO	YES	1.88	14.40 R
TRC	TUFF-R 'C'	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	NO	YES	2.00	16.00 R
TRC	TUFF-R 'C'	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	NO	YES	2.50	20.00 R
VLR	VALUE-R	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	NO	YES	1.50	10.80 R
VLR	VALUE-R	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	NO	YES	2.00	14.40 R
VLR	VALUE-R	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	NO	YES	2.25	16.00 R
VLR	VALUE-R	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	NO	YES	2.50	18.00 R
VLR	VALUE-R	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	NO	YES	2.60	19.00 R
VLR	VALUE-R	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	NO	YES	2.75	20.00 R
VLR	VALUE-R	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	NO	YES	3.00	21.60 R
VLR	VALUE-R	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	NO	YES	3.25	24.00 R
VLR	VALUE-R	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	NO	YES	3.50	25.60 R
VLR	VALUE-R	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	NO	YES	3.75	28.00 R
VLR	VALUE-R	ISOCYANURATE	FACED SINGLE MATL	MTL FOIL	CLG WALL FLR	NO	YES	4.00	30.00 R

* DESCRIPTION OF BRAND CODES
TRC = TUFF-R 'C' VLR = VALUE-R

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE	
FCI	COMPOSITE	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	1.50	7.40	R
FCI	COMPOSITE	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	2.00	10.40	R
FCI	COMPOSITE	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	2.50	13.50	R
FRI	ISO 95+	ISOCYANURATE	SGL MATL W/FACING	GLS FBR	ROOF DECK	NO	NO	1.00	6.00	R
FRI	ISO 95+	ISOCYANURATE	SGL MATL W/FACING	GLS FBR	ROOF DECK	NO	NO	1.40	8.40	R
FRI	ISO 95+	ISOCYANURATE	SGL MATL W/FACING	GLS FBR	ROOF DECK	NO	NO	1.50	9.00	R
FRI	ISO 95+	ISOCYANURATE	SGL MATL W/FACING	GLS FBR	ROOF DECK	NO	NO	1.80	10.90	R
FRI	ISO 95+	ISOCYANURATE	SGL MATL W/FACING	GLS FBR	ROOF DECK	NO	NO	2.00	12.10	R
FRI	ISO 95+	ISOCYANURATE	SGL MATL W/FACING	GLS FBR	ROOF DECK	NO	NO	2.25	13.40	R
FRI	ISO 95+	ISOCYANURATE	SGL MATL W/FACING	GLS FBR	ROOF DECK	NO	NO	2.30	14.00	R
FRI	ISO 95+	ISOCYANURATE	SGL MATL W/FACING	GLS FBR	ROOF DECK	NO	NO	2.40	14.70	R
FRI	ISO 95+	ISOCYANURATE	SGL MATL W/FACING	GLS FBR	ROOF DECK	NO	NO	2.50	15.30	R
FRI	ISO 95+	ISOCYANURATE	SGL MATL W/FACING	GLS FBR	ROOF DECK	NO	NO	2.60	15.90	R
FRI	ISO 95+	ISOCYANURATE	SGL MATL W/FACING	GLS FBR	ROOF DECK	NO	NO	2.70	16.60	R
FRI	ISO 95+	ISOCYANURATE	SGL MATL W/FACING	GLS FBR	ROOF DECK	NO	NO	3.00	18.50	R
FRI	ISO 95+	ISOCYANURATE	SGL MATL W/FACING	GLS FBR	ROOF DECK	NO	NO	3.25	19.80	R
FRI	ISO 95+	ISOCYANURATE	SGL MATL W/FACING	GLS FBR	ROOF DECK	NO	NO	4.00	25.00	R
TFI	ISO 95+	ISOCYANURATE	SGL MATL W/FACING	GLS FBR	ROOF DECK	NO	NO	1.00	6.00	R
TFI	ISO 95+	ISOCYANURATE	SGL MATL W/FACING	GLS FBR	ROOF DECK	NO	NO	1.25	7.20	R
TFI	ISO 95+	ISOCYANURATE	SGL MATL W/FACING	GLS FBR	ROOF DECK	NO	NO	1.50	9.00	R
TFI	ISO 95+	ISOCYANURATE	SGL MATL W/FACING	GLS FBR	ROOF DECK	NO	NO	1.75	10.30	R
TFI	ISO 95+	ISOCYANURATE	SGL MATL W/FACING	GLS FBR	ROOF DECK	NO	NO	2.00	12.10	R
TFI	ISO 95+	ISOCYANURATE	SGL MATL W/FACING	GLS FBR	ROOF DECK	NO	NO	2.25	13.40	R
TFI	ISO 95+	ISOCYANURATE	SGL MATL W/FACING	GLS FBR	ROOF DECK	NO	NO	2.50	15.30	R
TFI	ISO 95+	ISOCYANURATE	SGL MATL W/FACING	GLS FBR	ROOF DECK	NO	NO	3.00	18.50	R

* DESCRIPTION OF BRAND CODES
FCI = FIRESTONE ISO 95+ COMPOSITE FRI = FIRESTONE ISO 95+ ROOF TFI = TAPERED FIRESTONE ISO 95+

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICA-TIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORM-ANCE IN R,K, OR C VALUE	
FIR	ISO -R	ISOCYANURATE	SGL MATL W/FACING	METAL	WALL	NO	NO	0.50	3.40	R
FIR	ISO -R	ISOCYANURATE	SGL MATL W/FACING	METAL	WALL	NO	NO	0.63	4.30	R
FIR	ISO -R	ISOCYANURATE	SGL MATL W/FACING	METAL	WALL	NO	NO	0.75	5.30	R
FIR	ISO -R	ISOCYANURATE	SGL MATL W/FACING	METAL	WALL	NO	NO	1.00	7.00	R
FIR	ISO -R	ISOCYANURATE	SGL MATL W/FACING	METAL	WALL	NO	NO	1.50	10.50	R
FIR	ISO -R	ISOCYANURATE	SGL MATL W/FACING	METAL	WALL	NO	NO	2.00	14.00	R
FIR	ISO -R	ISOCYANURATE	SGL MATL W/FACING	METAL	WALL	NO	NO	2.50	17.50	R
FIR	ISO -R	ISOCYANURATE	SGL MATL W/FACING	METAL	WALL	NO	NO	3.00	21.00	R
FIR	ISO -R	ISOCYANURATE	SGL MATL W/FACING	METAL	WALL	NO	NO	3.50	24.50	R
FIR	ISO -R	ISOCYANURATE	SGL MATL W/FACING	METAL	WALL	NO	NO	4.00	28.00	R
FNB	NAILBASE	ISOCYANURATE	COMPOSITE	BOARD	ROOF DECK	NO	NO	2.00	9.60	R
FNB	NAILBASE	ISOCYANURATE	COMPOSITE	BOARD	ROOF DECK	NO	NO	2.50	12.70	R
FNB	NAILBASE	ISOCYANURATE	COMPOSITE	BOARD	ROOF DECK	NO	NO	3.00	15.90	R
FNB	NAILBASE	ISOCYANURATE	COMPOSITE	BOARD	ROOF DECK	NO	NO	3.50	19.10	R
FNB	NAILBASE	ISOCYANURATE	COMPOSITE	BOARD	ROOF DECK	NO	NO	4.00	22.30	R

* DESCRIPTION OF BRAND CODES
FIR = FIRESTONE ISO -R SHEATHING FNB = FIRESTONE NAILBASE

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
JM	B73150 FESCO FM	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	1.50	7.40 R
JM	B73160 FESCO FM	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	1.60	8.00 R
JM	B73170 FESCO FM	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	1.70	9.00 R
JM	B73180 FESCO FM	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	1.80	9.70 R
JM	B73190 FESCO FM	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	1.90	10.60 R
JM	B73200 FESCO FM	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	2.00	11.40 R
JM	B73210 FESCO FM	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	2.10	12.50 R
JM	B73225 FESCO FM	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	2.25	13.60 R
JM	B73230 FESCO FM	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	2.30	13.90 R
JM	B73235 FESCO FM	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	2.35	14.40 R
JM	B73240 FESCO FM	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	2.40	14.80 R
JM	B73250 FESCO FM	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	2.50	15.70 R
JM	B73260 FESCO FM	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	2.60	16.50 R
JM	B73270 FESCO FM	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	2.70	17.30 R
JM	B73280 FESCO FM	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	2.80	18.10 R
JM	B73290 FESCO FM	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	2.90	19.10 R
JM	B73300 FESCO FM	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	3.00	19.40 R
JM	B73310 FESCO FM	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	3.10	20.40 R
JM	B73320 FESCO FM	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	3.20	20.80 R
JM	B73330 FESCO FM	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	3.30	21.40 R
JM	B73340 FESCO FM	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	3.40	22.20 R
JM	B73350 FESCO FM	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	3.50	23.40 R
JM	B73370 FESCO FM	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	3.70	24.90 R
JM	B73380 FESCO FM	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	3.80	25.00 R
JM	B73390 FESCO FM	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	3.90	26.40 R

* DESCRIPTION OF BRAND CODES
JM = JOHNS MANVILLE

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
JM	B73400 FESCO FM	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	4.00	27.20 R
JM	B73450 FESCO FM	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	4.50	31.40 R
JM	C73180 FESCO FM	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	1.80	8.00 R
JM	C73200 FESCO FM	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	2.00	10.00 R
JM	C73280 FESCO FM	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	2.80	16.70 R
JM	C73325 FESCO FM	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	3.25	20.30 R
JM	C73400 FESCO FM	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	4.00	23.60 R
JM	C75210 FESCO FM	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	2.10	10.80 R
JM	C75230 FESCO FM	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	2.30	12.50 R
JM	C75250 FESCO FM	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	2.50	14.30 R
JM	C75260 FESCO FM	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	2.60	15.10 R
JM	C75275 FESCO FM	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	2.75	16.40 R
JM	C75350 FESCO FM	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	3.50	21.40 R
JM	DURAFOARM	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	1.50	7.20 R
JM	DURAFOARM	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	1.80	9.00 R
JM	DURAFOARM	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	2.00	10.20 R
JM	DURAFOARM	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	2.30	12.10 R
JM	DURAFOARM	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	2.50	13.30 R
JM	DURAFOARM	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	2.60	14.00 R
JM	DURAFOARM	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	2.80	15.20 R
JM	DURAFOARM	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	3.00	16.50 R
JM	DURAFOARM	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	3.50	19.70 R
JM	DURAFOARM	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	3.70	21.00 R
JM	DURAFOARM	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	4.00	22.90 R
JM	ENRGY 3	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.00	6.00 R

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BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
JM	ENRGY 3	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.50	9.00 R
JM	ENRGY 3	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.60	9.60 R
JM	ENRGY 3	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.70	10.30 R
JM	ENRGY 3	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.80	10.90 R
JM	ENRGY 3	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.00	12.10 R
JM	ENRGY 3	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.30	14.00 R
JM	ENRGY 3	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.50	15.30 R
JM	ENRGY 3	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.70	16.60 R
JM	ENRGY 3	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.00	18.50 R
JM	ENRGY 3	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.20	19.80 R
JM	ENRGY 3	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.30	20.40 R
JM	ENRGY 3	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.40	21.10 R
JM	ENRGY 3	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.60	22.40 R
JM	ENRGY 3	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.80	23.70 R
JM	ENRGY 3	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	4.00	25.00 R
JM	F73150 E'NRG'Y2+	ISOCYANURATE	COMPOSITE	WOOD FIBR	ROOF DECK	NO	NO	1.50	7.30 R
JM	F73160 E'NRG'Y2+	ISOCYANURATE	COMPOSITE	WOOD FIBR	ROOF DECK	NO	NO	1.60	7.80 R
JM	F73180 E'NRG'Y2+	ISOCYANURATE	COMPOSITE	WOOD FIBR	ROOF DECK	NO	NO	1.80	9.60 R
JM	F73200 E'NRG'Y2+	ISOCYANURATE	COMPOSITE	WOOD FIBR	ROOF DECK	NO	NO	2.00	11.30 R
JM	F73210 E'NRG'Y2+	ISOCYANURATE	COMPOSITE	WOOD FIBR	ROOF DECK	NO	NO	2.10	12.40 R
JM	F73230 E'NRG'Y2+	ISOCYANURATE	COMPOSITE	WOOD FIBR	ROOF DECK	NO	NO	2.30	13.80 R
JM	F73240 E'NRG'Y2+	ISOCYANURATE	COMPOSITE	WOOD FIBR	ROOF DECK	NO	NO	2.40	14.70 R
JM	F73250 E'NRG'Y2+	ISOCYANURATE	COMPOSITE	WOOD FIBR	ROOF DECK	NO	NO	2.50	15.50 R
JM	F73260 E'NRG'Y2+	ISOCYANURATE	COMPOSITE	WOOD FIBR	ROOF DECK	NO	NO	2.60	16.40 R
JM	F73270 E'NRG'Y2+	ISOCYANURATE	COMPOSITE	WOOD FIBR	ROOF DECK	NO	NO	2.70	17.20 R

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BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
JM	F73280 E'NRG'Y2+	ISOCYANURATE	COMPOSITE	WOOD FIBR	ROOF DECK	NO	NO	2.80	18.00 R
JM	F73290 E'NRG'Y2+	ISOCYANURATE	COMPOSITE	WOOD FIBR	ROOF DECK	NO	NO	2.90	18.80 R
JM	F73300 E'NRG'Y2+	ISOCYANURATE	COMPOSITE	WOOD FIBR	ROOF DECK	NO	NO	3.00	19.50 R
JM	F73310 E'NRG'Y2+	ISOCYANURATE	COMPOSITE	WOOD FIBR	ROOF DECK	NO	NO	3.10	20.30 R
JM	F73320 E'NRG'Y2+	ISOCYANURATE	COMPOSITE	WOOD FIBR	ROOF DECK	NO	NO	3.20	20.70 R
JM	F73350 E'NRG'Y2+	ISOCYANURATE	COMPOSITE	WOOD FIBR	ROOF DECK	NO	NO	3.50	22.90 R
JM	F73360 E'NRG'Y2+	ISOCYANURATE	COMPOSITE	WOOD FIBR	ROOF DECK	NO	NO	3.60	23.10 R
JM	F73400 E'NRG'Y2+	ISOCYANURATE	COMPOSITE	WOOD FIBR	ROOF DECK	NO	NO	4.00	27.00 R
JM	F73410 E'NRG'Y2+	ISOCYANURATE	COMPOSITE	WOOD FIBR	ROOF DECK	NO	NO	4.10	27.80 R
JM	F73450 E'NRG'Y2+	ISOCYANURATE	COMPOSITE	WOOD FIBR	ROOF DECK	NO	NO	4.50	31.30 R
JM	H65100 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	FIBR GLS	ROOF DECK	NO	NO	1.00	6.00 R
JM	H65150 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	FIBR GLS	ROOF DECK	NO	NO	1.50	10.00 R
JM	H65160 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	FIBR GLS	ROOF DECK	NO	NO	1.60	11.10 R
JM	H65190 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	FIBR GLS	ROOF DECK	NO	NO	1.90	13.40 R
JM	H65200 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	FIBR GLS	ROOF DECK	NO	NO	2.00	14.30 R
JM	H65225 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	FIBR GLS	ROOF DECK	NO	NO	2.25	16.30 R
JM	H65240 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	FIBR GLS	ROOF DECK	NO	NO	2.40	17.50 R
JM	H65250 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	FIBR GLS	ROOF DECK	NO	NO	2.50	18.60 R
JM	H65260 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	FIBR GLS	ROOF DECK	NO	NO	2.60	19.00 R
JM	H65300 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	FIBR GLS	ROOF DECK	NO	NO	3.00	22.00 R
JM	H65350 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	FIBR GLS	ROOF DECK	NO	NO	3.50	25.80 R
JM	H65360 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	FIBR GLS	ROOF DECK	NO	NO	3.60	26.50 R
JM	H65370 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	FIBR GLS	ROOF DECK	NO	NO	3.70	27.30 R
JM	H65380 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	FIBR GLS	ROOF DECK	NO	NO	3.80	28.00 R
JM	H65400 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	FIBR GLS	ROOF DECK	NO	NO	4.00	30.00 R

* DESCRIPTION OF BRAND CODES
JM = JOHNS MANVILLE

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
JM	H65410 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	FIBR GLS	ROOF DECK	NO	NO	4.10	30.80 R
JM	H65050 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	0.50	3.00 R
JM	H65075 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	0.75	4.50 R
JM	H75100 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.00	6.00 R
JM	H75110 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.10	6.60 R
JM	H75120 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.20	7.10 R
JM	H75125 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.25	7.70 R
JM	H75130 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.30	8.30 R
JM	H75133 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.33	8.50 R
JM	H75135 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.35	8.70 R
JM	H75140 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.40	9.10 R
JM	H75145 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.45	9.60 R
JM	H75150 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.50	10.00 R
JM	H75155 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.55	10.60 R
JM	H75160 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.60	11.10 R
JM	H75165 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.65	11.30 R
JM	H75170 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.70	11.80 R
JM	H75175 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.75	12.20 R
JM	H75180 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.80	12.50 R
JM	H75190 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.90	13.40 R
JM	H75195 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.95	13.90 R
JM	H75200 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.00	14.30 R
JM	H75205 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.05	14.70 R
JM	H75210 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.10	15.10 R
JM	H75215 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.15	15.50 R

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JM	H75220 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.20	15.90 R
JM	H75223 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.23	16.10 R
JM	H75225 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.25	16.30 R
JM	H75230 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.30	16.70 R
JM	H75235 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.35	17.10 R
JM	H75240 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.40	17.50 R
JM	H75245 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.45	17.80 R
JM	H75250 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.50	18.60 R
JM	H75255 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.55	18.80 R
JM	H75260 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.60	19.00 R
JM	H75270 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.70	20.00 R
JM	H75275 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.75	20.20 R
JM	H75280 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.80	20.50 R
JM	H75285 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.85	20.80 R
JM	H75290 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.90	21.30 R
JM	H75300 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.00	22.00 R
JM	H75310 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.10	22.70 R
JM	H75320 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.20	23.40 R
JM	H75325 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.25	23.80 R
JM	H75330 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.30	24.10 R
JM	H75335 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.35	24.60 R
JM	H75340 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.40	25.00 R
JM	H75350 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.50	25.80 R
JM	H75360 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.60	26.50 R
JM	H75370 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.70	27.30 R

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JM	H75375 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.75	27.60 R
JM	H75380 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.80	28.00 R
JM	H75390 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.90	28.70 R
JM	H75400 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	4.00	30.00 R
JM	H75410 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	4.10	30.80 R
JM	H75435 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	4.35	32.30 R
JM	H75450 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	4.50	33.30 R
JM	H85100 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	METL/FOIL	ROOF DECK	NO	YES	1.00	6.00 R
JM	H85120 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	METL/FOIL	ROOF DECK	NO	YES	1.20	7.10 R
JM	H85125 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	METL/FOIL	ROOF DECK	NO	YES	1.25	7.70 R
JM	H85130 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	METL/FOIL	ROOF DECK	NO	YES	1.30	8.30 R
JM	H85150 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	METL/FOIL	ROOF DECK	NO	YES	1.50	10.00 R
JM	H85160 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	METL/FOIL	ROOF DECK	NO	YES	1.60	11.10 R
JM	H85180 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	METL/FOIL	ROOF DECK	NO	YES	1.80	12.50 R
JM	H85190 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	METL/FOIL	ROOF DECK	NO	YES	1.90	13.40 R
JM	H85200 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	METL/FOIL	ROOF DECK	NO	YES	2.00	14.30 R
JM	H85210 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	METL/FOIL	ROOF DECK	NO	YES	2.10	15.10 R
JM	H85220 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	METL/FOIL	ROOF DECK	NO	YES	2.20	15.90 R
JM	H85225 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	METL/FOIL	ROOF DECK	NO	YES	2.25	16.30 R
JM	H85250 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	METL/FOIL	ROOF DECK	NO	YES	2.50	18.60 R
JM	H85270 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	METL/FOIL	ROOF DECK	NO	YES	2.70	20.00 R
JM	H85280 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	METL/FOIL	ROOF DECK	NO	YES	2.80	20.50 R
JM	H85290 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	METL/FOIL	ROOF DECK	NO	YES	2.90	21.30 R
JM	H85300 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	METL/FOIL	ROOF DECK	NO	YES	3.00	22.00 R
JM	H85320 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	METL/FOIL	ROOF DECK	NO	YES	3.20	23.40 R

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JM	H85340 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	METL/FOIL	ROOF DECK	NO	YES	3.40	25.00 R
JM	H85350 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	METL/FOIL	ROOF DECK	NO	YES	3.50	25.80 R
JM	H85400 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	METL/FOIL	ROOF DECK	NO	YES	4.00	30.00 R
JM	H85410 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	METL/FOIL	ROOF DECK	NO	YES	4.10	30.80 R
JM	ISO 3	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.00	6.00 R
JM	ISO 3	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.50	9.00 R
JM	ISO 3	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.60	9.60 R
JM	ISO 3	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.70	10.30 R
JM	ISO 3	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.80	10.90 R
JM	ISO 3	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.00	12.10 R
JM	ISO 3	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.30	14.00 R
JM	ISO 3	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.50	15.30 R
JM	ISO 3	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.70	16.60 R
JM	ISO 3	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.00	18.50 R
JM	ISO 3	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.20	19.80 R
JM	ISO 3	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.30	20.40 R
JM	ISO 3	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.40	21.10 R
JM	ISO 3	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.60	22.40 R
JM	ISO 3	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.80	23.70 R
JM	ISO 3	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	4.00	25.00 R
JM	K75150 E'NRG'Y2	ISOCYANURATE	COMPOSITE	PAPER	ROOF DECK	NO	NO	1.50	7.40 R
JM	K75175 E'NRG'Y2	ISOCYANURATE	COMPOSITE	PAPER	ROOF DECK	NO	NO	1.75	9.90 R
JM	K75200 E'NRG'Y2	ISOCYANURATE	COMPOSITE	PAPER	ROOF DECK	NO	NO	2.00	12.00 R
JM	K75225 E'NRG'Y2	ISOCYANURATE	COMPOSITE	PAPER	ROOF DECK	NO	NO	2.25	14.20 R
JM	K75250 E'NRG'Y2	ISOCYANURATE	COMPOSITE	PAPER	ROOF DECK	NO	NO	2.50	16.20 R

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JM	K75275 E'NRG'Y2	ISOCYANURATE	COMPOSITE	PAPER	ROOF DECK	NO	NO	2.75	18.10 R
JM	K75300 E'NRG'Y2	ISOCYANURATE	COMPOSITE	PAPER	ROOF DECK	NO	NO	3.00	20.30 R
JM	K75325 E'NRG'Y2	ISOCYANURATE	COMPOSITE	PAPER	ROOF DECK	NO	NO	3.25	22.00 R
JM	K75350 E'NRG'Y2	ISOCYANURATE	COMPOSITE	PAPER	ROOF DECK	NO	NO	3.50	23.70 R
JM	K75375 E'NRG'Y2	ISOCYANURATE	COMPOSITE	PAPER	ROOF DECK	NO	NO	3.75	25.70 R
JM	K75400 E'NRG'Y2	ISOCYANURATE	COMPOSITE	PAPER	ROOF DECK	NO	NO	4.00	27.60 R
JM	K75425 E'NRG'Y2	ISOCYANURATE	COMPOSITE	PAPER	ROOF DECK	NO	NO	4.25	29.70 R
JM	K75450 E'NRG'Y2	ISOCYANURATE	COMPOSITE	PAPER	ROOF DECK	NO	NO	4.50	31.60 R
JM	O75150 NAIL BD	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	1.50	7.20 R
JM	O75160 NAIL BD	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	1.60	8.00 R
JM	O75200 NAIL BD	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	2.00	11.10 R
JM	O75210 NAIL BD	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	2.10	12.10 R
JM	O75213 NAIL BD	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	2.13	12.40 R
JM	O75250 NAIL BD	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	2.50	15.20 R
JM	O75263 NAIL BD	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	2.63	16.50 R
JM	O75300 NAIL BD	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	3.00	19.10 R
JM	O75319 NAIL BD	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	3.19	20.20 R
JM	O75350 NAIL BD	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	3.50	22.40 R
JM	O75370 NAIL BD	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	3.70	23.70 R
JM	O75375 NAIL BD	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	3.75	24.10 R
JM	O75400 NAIL BD	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	4.00	25.60 R
JM	O75425 NAIL BD	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	4.25	28.30 R
JM	R75150 NAIL BD	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	1.50	7.30 R
JM	R75200 NAIL BD	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	2.00	11.40 R
JM	R75220 NAIL BD	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	2.20	12.90 R

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JM	R75225 NAIL BD	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	2.25	13.60 R
JM	R75230 NAIL BD	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	2.30	13.90 R
JM	R75240 NAIL BD	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	2.40	14.70 R
JM	R75250 NAIL BD	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	2.50	15.40 R
JM	R75270 NAIL BD	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	2.70	17.60 R
JM	R75275 NAIL BD	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	2.75	17.70 R
JM	R75280 NAIL BD	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	2.80	18.10 R
JM	R75285 NAIL BD	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	2.85	18.50 R
JM	R75300 NAIL BD	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	3.00	20.00 R
JM	R75310 NAIL BD	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	3.10	20.40 R
JM	R75320 NAIL BD	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	3.20	20.90 R
JM	R75340 NAIL BD	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	3.40	22.50 R
JM	R75350 NAIL BD	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	3.50	23.10 R
JM	R75375 NAIL BD	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	3.75	25.00 R
JM	R75400 NAIL BD	ISOCYANURATE	COMPOSITE	STRAND BD	ROOF DECK	NO	NO	4.00	27.30 R
JM	TB73A TAPERED	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	MIN 1.00	5.90 R
JM	TB73B TAPERED	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	MIN 1.50	9.10 R
JM	TB73C TAPERED	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	MIN 2.00	13.60 R
JM	TB73D TAPERED	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	MIN 2.50	18.00 R
JM	TB73G TAPERED	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	MIN 1.00	7.40 R
JM	TB73H TAPERED	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	MIN 2.00	15.70 R
JM	TB73J TAPERED	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	MIN 1.00	7.00 R
JM	TB73K TAPERED	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	MIN 1.75	12.70 R
JM	TB73L TAPERED	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	MIN 2.50	18.80 R
JM	TB73M TAPERED	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	MIN 3.25	23.20 R

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JM	TB73QQ TAPERED	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	MIN 1.50	7.40 R
JM	TB73XX TAPERED	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	MIN 1.00	11.40 R
JM	TB73Y TAPERED	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	MIN 1.50	11.40 R
JM	TB73Z TAPERED	ISOCYANURATE	COMPOSITE	PERLITE	ROOF DECK	NO	NO	MIN 2.50	19.60 R
JM	TF73A TAPERED	ISOCYANURATE	COMPOSITE	WOOD FIBR	ROOF DECK	NO	NO	MIN 1.00	5.80 R
JM	TF73B TAPERED	ISOCYANURATE	COMPOSITE	WOOD FIBR	ROOF DECK	NO	NO	MIN 1.50	9.10 R
JM	TF73C TAPERED	ISOCYANURATE	COMPOSITE	WOOD FIBR	ROOF DECK	NO	NO	MIN 2.00	13.50 R
JM	TF73D TAPERED	ISOCYANURATE	COMPOSITE	WOOD FIBR	ROOF DECK	NO	NO	MIN 2.50	17.60 R
JM	TF73G TAPERED	ISOCYANURATE	COMPOSITE	WOOD FIBR	ROOF DECK	NO	NO	MIN 1.00	7.30 R
JM	TF73H TAPERED	ISOCYANURATE	COMPOSITE	WOOD FIBR	ROOF DECK	NO	NO	MIN 2.00	15.50 R
JM	TF73XX TAPERED	ISOCYANURATE	COMPOSITE	WOOD FIBR	ROOF DECK	NO	NO	MIN 1.00	11.30 R
JM	TH73A TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	MIN 1.00	7.70 R
JM	TH73AA TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	MIN 0.50	4.50 R
JM	TH73B TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	MIN 1.50	12.20 R
JM	TH73C TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	MIN 2.00	16.30 R
JM	TH73D TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	MIN 2.50	19.70 R
JM	TH73E TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	MIN 3.00	22.90 R
JM	TH73F TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	MIN 3.50	27.60 R
JM	TH73G TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	MIN 1.00	10.00 R
JM	TH73H TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	MIN 2.00	18.20 R
JM	TH73I TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	MIN 3.00	25.80 R
JM	TH73J TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	MIN 1.00	8.90 R
JM	TH73K TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	MIN 1.75	15.20 R
JM	TH73L TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	MIN 2.50	20.50 R
JM	TH73M TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	MIN 3.25	26.70 R

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JM	TH73Q TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	MIN 0.50	10.00 R
JM	TH73X TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	MIN 0.50	6.00 R
JM	TH73Y TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	MIN 1.50	14.30 R
JM	TH73Z TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	MIN 2.50	21.60 R
JM	TZ73A TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	MIN 1.00	7.70 R
JM	TZ73AA TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	MIN 0.50	4.50 R
JM	TZ73B TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	MIN 1.50	12.20 R
JM	TZ73C TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	MIN 2.00	16.30 R
JM	TZ73D TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	MIN 2.50	19.70 R
JM	TZ73E TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	MIN 3.00	22.90 R
JM	TZ73F TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	MIN 3.50	27.60 R
JM	TZ73G TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	MIN 1.00	10.00 R
JM	TZ73H TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	MIN 2.00	18.20 R
JM	TZ73I TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	MIN 3.00	25.80 R
JM	TZ73J TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	MIN 1.00	8.90 R
JM	TZ73K TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	MIN 1.75	15.20 R
JM	TZ73L TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	MIN 2.50	20.50 R
JM	TZ73M TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	MIN 3.25	26.70 R
JM	TZ73Q TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	MIN 0.50	10.00 R
JM	TZ73X TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	MIN 0.50	6.00 R
JM	TZ73Y TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	MIN 1.50	14.30 R
JM	TZ73Z TAPERED	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	MIN 2.50	21.60 R
JM	V6P250 ISO-VENT	ISOCYANURATE	FACED SINGLE MATL	FIBR GLS	ROOF DECK	NO	NO	2.50	14.00 R
JM	V6P300 ISO-VENT	ISOCYANURATE	FACED SINGLE MATL	FIBR GLS	ROOF DECK	NO	NO	3.00	18.60 R
JM	V6P325 ISO-VENT	ISOCYANURATE	FACED SINGLE MATL	FIBR GLS	ROOF DECK	NO	NO	3.25	20.00 R

* DESCRIPTION OF BRAND CODES
JM = JOHNS MANVILLE

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICA-TIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORM-ANCE IN R,K, OR C VALUE
JM	V6P350 ISO-VENT	ISOCYANURATE	FACED SINGLE MATL	FIBR GLS	ROOF DECK	NO	NO	3.50	22.30 R
JM	V6P400 ISO-VENT	ISOCYANURATE	FACED SINGLE MATL	FIBR GLS	ROOF DECK	NO	NO	4.00	25.70 R
JM	W15050 GP POLY	ISOCYANURATE	FACED SINGLE MATL	FG/PLAS	WALL	NO	NO	0.50	3.20 R
JM	W15062 GP POLY	ISOCYANURATE	FACED SINGLE MATL	FG/PLAS	WALL	NO	NO	0.62	4.00 R
JM	W15075 GP POLY	ISOCYANURATE	FACED SINGLE MATL	FG/PLAS	WALL	NO	NO	0.75	4.90 R
JM	W15100 GP POLY	ISOCYANURATE	FACED SINGLE MATL	FG/PLAS	WALL	NO	NO	1.00	6.50 R
JM	W25050 EXTRA	ISOCYANURATE	FACED SINGLE MATL	FG/PLAS	WALL	NO	NO	0.50	3.20 R
JM	W25062 EXTRA	ISOCYANURATE	FACED SINGLE MATL	FG/PLAS	WALL	NO	NO	0.62	4.00 R
JM	W25075 EXTRA	ISOCYANURATE	FACED SINGLE MATL	FG/PLAS	WALL	NO	NO	0.75	4.90 R
JM	W25100 EXTRA	ISOCYANURATE	FACED SINGLE MATL	FG/PLAS	WALL	NO	NO	1.00	6.50 R
JM	W25150 EXTRA	ISOCYANURATE	FACED SINGLE MATL	FG/PLAS	WALL	NO	NO	1.50	9.20 R
JM	W25200 EXTRA	ISOCYANURATE	FACED SINGLE MATL	FG/PLAS	WALL	NO	NO	2.00	12.20 R
JM	W25300 EXTRA	ISOCYANURATE	FACED SINGLE MATL	FG/PLAS	WALL	NO	NO	3.00	18.40 R
JM	WN5050 AP	ISOCYANURATE	FACED SINGLE MATL	METL/FOIL	WALL	NO	YES	0.50	3.60 R
JM	WN5062 AP	ISOCYANURATE	FACED SINGLE MATL	METL/FOIL	WALL	NO	YES	0.62	4.50 R
JM	WN5075 AP	ISOCYANURATE	FACED SINGLE MATL	METL/FOIL	WALL	NO	YES	0.75	5.40 R
JM	WN5100 AP	ISOCYANURATE	FACED SINGLE MATL	METL/FOIL	WALL	NO	YES	1.00	7.20 R
JM	WN5150 AP	ISOCYANURATE	FACED SINGLE MATL	METL/FOIL	WALL	NO	YES	1.50	10.80 R
JM	WN5200 AP	ISOCYANURATE	FACED SINGLE MATL	METL/FOIL	WALL	NO	YES	2.00	14.40 R
JM	WN5300 AP	ISOCYANURATE	FACED SINGLE MATL	METL/FOIL	WALL	NO	YES	3.00	21.60 R
JM	WN5350 AP	ISOCYANURATE	FACED SINGLE MATL	METL/FOIL	WALL	NO	YES	3.50	25.20 R
JM	WN5400 AP	ISOCYANURATE	FACED SINGLE MATL	METL/FOIL	WALL	NO	YES	4.00	28.80 R
JM	WN6050 AP	ISOCYANURATE	FACED SINGLE MATL	METL/FOIL	WALL	NO	YES	0.50	3.60 R
JM	WN6062 AP	ISOCYANURATE	FACED SINGLE MATL	METL/FOIL	WALL	NO	YES	0.62	4.50 R
JM	WN6075 AP	ISOCYANURATE	FACED SINGLE MATL	METL/FOIL	WALL	NO	YES	0.75	5.40 R

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BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICA-TIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORM-ANCE IN R,K, OR C VALUE
JM	WN8100 AP	ISOCYANURATE	FACED SINGLE MATL	METL/FOIL	WALL	NO	YES	1.00	7.20 R
JM	Z75100 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.00	6.00 R
JM	Z75110 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.10	6.60 R
JM	Z75120 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.20	7.10 R
JM	Z75130 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.30	8.30 R
JM	Z75140 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.40	9.10 R
JM	Z75150 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.50	10.00 R
JM	Z75160 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.60	11.10 R
JM	Z75170 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.70	11.80 R
JM	Z75180 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	1.80	12.50 R
JM	Z75200 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.00	14.30 R
JM	Z75210 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.10	15.10 R
JM	Z75220 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.20	15.90 R
JM	Z75225 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.25	16.30 R
JM	Z75230 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.30	16.70 R
JM	Z75250 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.50	18.60 R
JM	Z75260 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.60	19.00 R
JM	Z75270 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.70	20.00 R
JM	Z75280 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	2.80	20.50 R
JM	Z75300 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.00	22.00 R
JM	Z75310 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.10	22.70 R
JM	Z75320 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.20	23.40 R
JM	Z75340 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.40	25.00 R
JM	Z75350 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.50	25.80 R
JM	Z75380 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	3.80	28.00 R

* DESCRIPTION OF BRAND CODES
JM = JOHNS MANVILLE

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICA-TIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORM-ANCE IN R,K, OR C VALUE
JM	Z75400 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	4.00	30.00 R
JM	Z75410 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	4.10	30.80 R
JM	Z75450 E'NRG'Y2	ISOCYANURATE	FACED SINGLE MATL	PAPER	ROOF DECK	NO	NO	4.50	33.30 R

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BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
MAX	DURASHEATH-3	ISOCYANURATE	SGL MATL W/FACING	FIB GLS	WALL	NO	NO	0.50	3.00 R
MAX	DURASHEATH-3	ISOCYANURATE	SGL MATL W/FACING	FIB GLS	WALL	NO	NO	0.625	3.80 R
MAX	DURASHEATH-3	ISOCYANURATE	SGL MATL W/FACING	FIB GLS	WALL	NO	NO	0.75	4.50 R
GNF	GENFLEX ISO2	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	1.50	9.10 R
GNF	GENFLEX ISO2	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	1.60	10.10 R
GNF	GENFLEX ISO2	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	1.80	11.40 R
GNF	GENFLEX ISO2	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	2.00	12.70 R
GNF	GENFLEX ISO2	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	2.10	13.00 R
GNF	GENFLEX ISO2	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	2.30	15.20 R
GNF	GENFLEX ISO2	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	2.60	17.50 R
GNF	GENFLEX ISO2	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	2.70	18.20 R
GNF	GENFLEX ISO2	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	3.30	22.80 R
GNF	GENFLEX ISO2	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	3.50	23.90 R
GNF	GENFLEX ISO2	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	4.00	27.80 R
SOP	M-SHIELD TAPERED	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	0.75	4.50 R
SOP	M-SHIELD TAPERED	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	1.00	6.00 R
SOP	M-SHIELD TAPERED	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	1.25	7.60 R
SOP	M-SHIELD TAPERED	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	1.50	9.10 R
SOP	M-SHIELD TAPERED	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	1.75	10.90 R
SOP	M-SHIELD TAPERED	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	2.00	12.70 R
SOP	M-SHIELD TAPERED	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	2.25	15.20 R
SOP	M-SHIELD TAPERED	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	2.50	16.60 R
SOP	M-SHIELD TAPERED	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	2.75	18.20 R
SOP	M-SHIELD TAPERED	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	3.00	20.70 R
SOP	M-SHIELD TAPERED	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	3.25	22.70 R

* DESCRIPTION OF BRAND CODES
MAX = MULTI-MAX GNF = GENFLEX SOP = SOPREMA

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
SOP	M-SHIELD TAPERED	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	3.50	23.90 R
SOP	M-SHIELD TAPERED	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	3.75	25.80 R
MAX	MULTI-MAX-3	ISOCYANURATE	SGL MATL W/FACING	FB GLS	ROOF DECK	NO	NO	1.50	9.10 R
MAX	MULTI-MAX-3	ISOCYANURATE	SGL MATL W/FACING	FB GLS	ROOF DECK	NO	NO	1.60	10.10 R
MAX	MULTI-MAX-3	ISOCYANURATE	SGL MATL W/FACING	FB GLS	ROOF DECK	NO	NO	1.80	11.40 R
MAX	MULTI-MAX-3	ISOCYANURATE	SGL MATL W/FACING	FB GLS	ROOF DECK	NO	NO	2.00	12.70 R
MAX	MULTI-MAX-3	ISOCYANURATE	SGL MATL W/FACING	FB GLS	ROOF DECK	NO	NO	2.10	13.00 R
MAX	MULTI-MAX-3	ISOCYANURATE	SGL MATL W/FACING	FB GLS	ROOF DECK	NO	NO	2.30	15.20 R
MAX	MULTI-MAX-3	ISOCYANURATE	SGL MATL W/FACING	FB GLS	ROOF DECK	NO	NO	2.60	17.50 R
MAX	MULTI-MAX-3	ISOCYANURATE	SGL MATL W/FACING	FB GLS	ROOF DECK	NO	NO	2.70	18.20 R
MAX	MULTI-MAX-3	ISOCYANURATE	SGL MATL W/FACING	FB GLS	ROOF DECK	NO	NO	3.30	22.80 R
MAX	MULTI-MAX-3	ISOCYANURATE	SGL MATL W/FACING	FB GLS	ROOF DECK	NO	NO	3.50	23.90 R
MAX	MULTI-MAX-3	ISOCYANURATE	SGL MATL W/FACING	FB GLS	ROOF DECK	NO	NO	4.00	27.60 R
MAX	MULTI-MAX FA-3	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	1.50	9.10 R
MAX	MULTI-MAX FA-3	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	1.60	10.10 R
MAX	MULTI-MAX FA-3	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	1.80	11.40 R
MAX	MULTI-MAX FA-3	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	2.00	12.70 R
MAX	MULTI-MAX FA-3	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	2.10	13.00 R
MAX	MULTI-MAX FA-3	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	2.30	15.20 R
MAX	MULTI-MAX FA-3	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	2.60	17.50 R
MAX	MULTI-MAX FA-3	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	2.70	18.20 R
MAX	MULTI-MAX FA-3	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	3.30	22.80 R
MAX	MULTI-MAX FA-3	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	3.50	23.90 R
MAX	MULTI-MAX FA-3	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	4.00	27.60 R
CNG	POLYCON POSITE	ISOCYANURATE	SYSTEM/COMPOSITE	OTHER	ROOF DECK	NO	NO	1.50	7.40 R

* DESCRIPTION OF BRAND CODES
SOP = SOPREMA MAX = MULTI-MAX CNG = CONGLAS

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CNG	POLYCON POSITE	ISOCYANURATE	SYSTEM/COMPOSITE	OTHER	ROOF DECK	NO	NO	1.60	8.00 R
CNG	POLYCON POSITE	ISOCYANURATE	SYSTEM/COMPOSITE	OTHER	ROOF DECK	NO	NO	1.90	9.80 R
CNG	POLYCON POSITE	ISOCYANURATE	SYSTEM/COMPOSITE	OTHER	ROOF DECK	NO	NO	2.00	10.40 R
CNG	POLYCON POSITE	ISOCYANURATE	SYSTEM/COMPOSITE	OTHER	ROOF DECK	NO	NO	2.20	11.70 R
CNG	POLYCON POSITE	ISOCYANURATE	SYSTEM/COMPOSITE	OTHER	ROOF DECK	NO	NO	2.40	12.90 R
CNG	POLYCON POSITE	ISOCYANURATE	SYSTEM/COMPOSITE	OTHER	ROOF DECK	NO	NO	2.50	13.50 R
CNG	POLYCON POSITE	ISOCYANURATE	SYSTEM/COMPOSITE	OTHER	ROOF DECK	NO	NO	2.80	15.40 R
CNG	POLYCON POSITE	ISOCYANURATE	SYSTEM/COMPOSITE	OTHER	ROOF DECK	NO	NO	3.00	16.70 R
CNG	POLYCON POSITE	ISOCYANURATE	SYSTEM/COMPOSITE	OTHER	ROOF DECK	NO	NO	3.20	18.00 R
CNG	POLYCON POSITE	ISOCYANURATE	SYSTEM/COMPOSITE	PAPER	ROOF DECK	NO	NO	3.50	19.90 R
CNG	POLYCON POSITE	ISOCYANURATE	SYSTEM/COMPOSITE	OTHER	ROOF DECK	NO	NO	4.00	23.10 R
CNG	POLYCON STANDARD	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	1.50	9.10 R
CNG	POLYCON STANDARD	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	1.60	10.10 R
CNG	POLYCON STANDARD	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	1.80	11.40 R
CNG	POLYCON STANDARD	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	2.00	12.70 R
CNG	POLYCON STANDARD	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	2.10	13.00 R
CNG	POLYCON STANDARD	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	2.30	15.20 R
CNG	POLYCON STANDARD	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	2.60	17.50 R
CNG	POLYCON STANDARD	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	2.70	18.20 R
CNG	POLYCON STANDARD	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	3.30	22.80 R
CNG	POLYCON STANDARD	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	3.50	23.90 R
CNG	POLYCON STANDARD	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	4.00	27.60 R
PLG	POLYTHERM	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	1.50	9.10 R
PLG	POLYTHERM	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	1.60	10.10 R
PLG	POLYTHERM	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	1.80	11.40 R

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CNG = CONGLAS PLG = POLYTHERM

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
PLG	POLYTHERM	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	2.00	12.70 R
PLG	POLYTHERM	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	2.10	13.00 R
PLG	POLYTHERM	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	2.30	15.20 R
PLG	POLYTHERM	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	2.60	17.50 R
PLG	POLYTHERM	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	2.70	18.20 R
PLG	POLYTHERM	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	3.30	22.80 R
PLG	POLYTHERM	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	3.50	23.90 R
PLG	POLYTHERM	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	4.00	27.60 R
PLG	POLYTHERM COMPOSITE	ISOCYANURATE	SYSTEM/COMPOSITE	OTHER	ROOF DECK	NO	NO	1.50	7.40 R
PLG	POLYTHERM COMPOSITE	ISOCYANURATE	SYSTEM/COMPOSITE	OTHER	ROOF DECK	NO	NO	1.60	8.00 R
PLG	POLYTHERM COMPOSITE	ISOCYANURATE	SYSTEM/COMPOSITE	OTHER	ROOF DECK	NO	NO	1.90	9.80 R
PLG	POLYTHERM COMPOSITE	ISOCYANURATE	SYSTEM/COMPOSITE	OTHER	ROOF DECK	NO	NO	2.00	10.40 R
PLG	POLYTHERM COMPOSITE	ISOCYANURATE	SYSTEM/COMPOSITE	OTHER	ROOF DECK	NO	NO	2.20	11.70 R
PLG	POLYTHERM COMPOSITE	ISOCYANURATE	SYSTEM/COMPOSITE	OTHER	ROOF DECK	NO	NO	2.40	12.90 R
PLG	POLYTHERM COMPOSITE	ISOCYANURATE	SYSTEM/COMPOSITE	OTHER	ROOF DECK	NO	NO	2.50	13.50 R
PLG	POLYTHERM COMPOSITE	ISOCYANURATE	SYSTEM/COMPOSITE	OTHER	ROOF DECK	NO	NO	2.80	15.40 R
PLG	POLYTHERM COMPOSITE	ISOCYANURATE	SYSTEM/COMPOSITE	OTHER	ROOF DECK	NO	NO	3.00	16.70 R
PLG	POLYTHERM COMPOSITE	ISOCYANURATE	SYSTEM/COMPOSITE	OTHER	ROOF DECK	NO	NO	3.20	18.00 R
PLG	POLYTHERM COMPOSITE	ISOCYANURATE	SYSTEM/COMPOSITE	OTHER	ROOF DECK	NO	NO	3.50	19.90 R
PLG	POLYTHERM COMPOSITE	ISOCYANURATE	SYSTEM/COMPOSITE	OTHER	ROOF DECK	NO	NO	4.00	23.10 R
PLG	POLYTHERM TF TAPERED	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	0.75	4.50 R
PLG	POLYTHERM TF TAPERED	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	1.00	6.00 R
PLG	POLYTHERM TF TAPERED	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	1.25	7.60 R
PLG	POLYTHERM TF TAPERED	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	1.50	9.10 R
PLG	POLYTHERM TF TAPERED	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	1.75	10.90 R

* DESCRIPTION OF BRAND CODES
PLG = POLYTHERM

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
PLG	POLYTHERM TF TAPERED	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	2.00	12.70 R
PLG	POLYTHERM TF TAPERED	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	2.25	15.20 R
PLG	POLYTHERM TF TAPERED	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	2.50	16.60 R
PLG	POLYTHERM TF TAPERED	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	2.75	18.20 R
PLG	POLYTHERM TF TAPERED	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	3.00	20.70 R
PLG	POLYTHERM TF TAPERED	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	3.25	22.70 R
PLG	POLYTHERM TF TAPERED	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	3.50	23.90 R
PLG	POLYTHERM TF TAPERED	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	3.75	25.80 R
MAX	R MATTE PLUS-3	ISOCYANURATE	SGL MATL W/FACING	PAPER	WALL	NO	YES	0.50	3.20 R
MAX	R MATTE PLUS-3	ISOCYANURATE	SGL MATL W/FACING	PAPER	WALL	NO	YES	0.625	4.00 R
MAX	R MATTE PLUS-3	ISOCYANURATE	SGL MATL W/FACING	PAPER	WALL	NO	YES	0.75	5.00 R
SOP	SOPREMA M-SHIELD	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	1.50	9.10 R
SOP	SOPREMA M-SHIELD	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	1.60	10.10 R
SOP	SOPREMA M-SHIELD	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	1.80	11.40 R
SOP	SOPREMA M-SHIELD	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	2.00	12.70 R
SOP	SOPREMA M-SHIELD	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	2.10	13.00 R
SOP	SOPREMA M-SHIELD	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	2.30	15.20 R
SOP	SOPREMA M-SHIELD	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	2.60	17.50 R
SOP	SOPREMA M-SHIELD	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	2.70	18.20 R
SOP	SOPREMA M-SHIELD	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	3.30	22.80 R
SOP	SOPREMA M-SHIELD	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	3.50	23.90 R
SOP	SOPREMA M-SHIELD	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	4.00	27.60 R
GNF	TAPERED GENFLEX ISO	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	0.75	4.50 R
GNF	TAPERED GENFLEX ISO	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	1.00	6.00 R
GNF	TAPERED GENFLEX ISO	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	1.25	7.60 R

* DESCRIPTION OF BRAND CODES
PLG = POLYTHERM MAX = MULTI-MAX SOP = SOPREMA GNF = GENFLEX

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
GNF	TAPERED GENFLEX ISO	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	1.50	9.10 R
GNF	TAPERED GENFLEX ISO	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	1.75	10.90 R
GNF	TAPERED GENFLEX ISO	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	2.00	12.70 R
GNF	TAPERED GENFLEX ISO	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	2.25	15.20 R
GNF	TAPERED GENFLEX ISO	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	2.50	16.60 R
GNF	TAPERED GENFLEX ISO	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	2.75	18.20 R
GNF	TAPERED GENFLEX ISO	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	3.00	20.70 R
GNF	TAPERED GENFLEX ISO	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	3.25	22.70 R
GNF	TAPERED GENFLEX ISO	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	3.50	23.90 R
GNF	TAPERED GENFLEX ISO	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	3.75	25.80 R
CNG	TAPERED POLYCON STD	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	0.75	4.50 R
CNG	TAPERED POLYCON STD	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	1.00	6.00 R
CNG	TAPERED POLYCON STD	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	1.25	7.60 R
CNG	TAPERED POLYCON STD	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	1.50	9.10 R
CNG	TAPERED POLYCON STD	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	1.75	10.90 R
CNG	TAPERED POLYCON STD	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	2.00	12.70 R
CNG	TAPERED POLYCON STD	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	2.25	15.20 R
CNG	TAPERED POLYCON STD	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	2.50	16.60 R
CNG	TAPERED POLYCON STD	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	2.75	18.20 R
CNG	TAPERED POLYCON STD	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	3.00	20.70 R
CNG	TAPERED POLYCON STD	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	3.25	22.70 R
CNG	TAPERED POLYCON STD	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	3.50	23.90 R
CNG	TAPERED POLYCON STD	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	3.75	25.80 R
TTR	TAPERED THERMAROOF-3	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	0.75	4.50 R
TTR	TAPERED THERMAROOF-3	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	1.00	6.00 R

* DESCRIPTION OF BRAND CODES
GNF = GENFLEX CNG = CONGLAS TTR = TAPERED THERMAROOF-3

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
TTR	TAPERED THERMAROOF-3	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	1.25	7.60 R
TTR	TAPERED THERMAROOF-3	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	1.50	9.10 R
TTR	TAPERED THERMAROOF-3	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	1.75	10.90 R
TTR	TAPERED THERMAROOF-3	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	2.00	12.70 R
TTR	TAPERED THERMAROOF-3	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	2.25	15.20 R
TTR	TAPERED THERMAROOF-3	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	2.50	16.60 R
TTR	TAPERED THERMAROOF-3	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	2.75	18.20 R
TTR	TAPERED THERMAROOF-3	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	3.00	20.70 R
TTR	TAPERED THERMAROOF-3	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	3.25	22.70 R
TTR	TAPERED THERMAROOF-3	ISOCYANURATE	SGL MATL W/FACING	PAPER	ROOF DECK	NO	NO	3.50	23.90 R
TR	THERMAROOF CMPOSITE	ISOCYANURATE	SYSTEM/COMPOSITE	OTHER	ROOF DECK	NO	NO	1.50	7.40 R
TR	THERMAROOF CMPOSITE	ISOCYANURATE	SYSTEM/COMPOSITE	OTHER	ROOF DECK	NO	NO	1.60	10.10 R
TR	THERMAROOF CMPOSITE	ISOCYANURATE	SYSTEM/COMPOSITE	OTHER	ROOF DECK	NO	NO	1.90	9.80 R
TR	THERMAROOF CMPOSITE	ISOCYANURATE	SYSTEM/COMPOSITE	OTHER	ROOF DECK	NO	NO	2.00	10.40 R
TR	THERMAROOF CMPOSITE	ISOCYANURATE	SYSTEM/COMPOSITE	OTHER	ROOF DECK	NO	NO	2.20	11.70 R
TR	THERMAROOF CMPOSITE	ISOCYANURATE	SYSTEM/COMPOSITE	OTHER	ROOF DECK	NO	NO	2.40	12.90 R
TR	THERMAROOF CMPOSITE	ISOCYANURATE	SYSTEM/COMPOSITE	OTHER	ROOF DECK	NO	NO	2.50	13.50 R
TR	THERMAROOF CMPOSITE	ISOCYANURATE	SYSTEM/COMPOSITE	OTHER	ROOF DECK	NO	NO	2.80	15.40 R
TR	THERMAROOF CMPOSITE	ISOCYANURATE	SYSTEM/COMPOSITE	OTHER	ROOF DECK	NO	NO	3.00	16.70 R
TR	THERMAROOF CMPOSITE	ISOCYANURATE	SYSTEM/COMPOSITE	OTHER	ROOF DECK	NO	NO	3.20	18.00 R
TR	THERMAROOF CMPOSITE	ISOCYANURATE	SYSTEM/COMPOSITE	OTHER	ROOF DECK	NO	NO	3.50	19.90 R
TR	THERMAROOF CMPOSITE	ISOCYANURATE	SYSTEM/COMPOSITE	OTHER	ROOF DECK	NO	NO	4.00	23.10 R
TRP	THERMAROOF PLUS-3	ISOCYANURATE	SGL MATL W/FACING	METAL	ROOF DECK	NO	YES	1.00	5.90 R
TRP	THERMAROOF PLUS-3	ISOCYANURATE	SGL MATL W/FACING	METAL	ROOF DECK	NO	YES	1.50	9.40 R
TRP	THERMAROOF PLUS-3	ISOCYANURATE	SGL MATL W/FACING	METAL	ROOF DECK	NO	YES	2.00	12.90 R

* DESCRIPTION OF BRAND CODES
TTR = TAPERED THERMAROOF-3 TR = THERMAROOF COMPOSITE TRP = THERMAROOF PLUS-3

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
TRP	THERMAROOF PLUS-3	ISOCYANURATE	SGL MATL W/FACING	METAL	ROOF DECK	NO	YES	2.25	16.40 R
TRP	THERMAROOF PLUS-3	ISOCYANURATE	SGL MATL W/FACING	METAL	ROOF DECK	NO	YES	3.00	19.90 R
TRP	THERMAROOF PLUS-3	ISOCYANURATE	SGL MATL W/FACING	METAL	ROOF DECK	NO	YES	3.50	23.30 R
TS	THERMASHEATH-3	ISOCYANURATE	SGL MATL W/FACING	METAL	CLG WALL FLR	NO	YES	0.50	3.20 R
TS	THERMASHEATH-3	ISOCYANURATE	SGL MATL W/FACING	METAL	CLG WALL FLR	NO	YES	0.625	4.00 R
TS	THERMASHEATH-3	ISOCYANURATE	SGL MATL W/FACING	METAL	CLG WALL FLR	NO	YES	0.75	5.00 R
TS	THERMASHEATH-3	ISOCYANURATE	SGL MATL W/FACING	METAL	CLG WALL FLR	NO	YES	1.00	5.90 R
TS	THERMASHEATH-3	ISOCYANURATE	SGL MATL W/FACING	METAL	CLG WALL FLR	NO	YES	1.25	7.70 R
TS	THERMASHEATH-3	ISOCYANURATE	SGL MATL W/FACING	METAL	CLG WALL FLR	NO	YES	1.50	9.40 R
TS	THERMASHEATH-3	ISOCYANURATE	SGL MATL W/FACING	METAL	CLG WALL FLR	NO	YES	1.75	11.20 R
TS	THERMASHEATH-3	ISOCYANURATE	SGL MATL W/FACING	METAL	CLG WALL FLR	NO	YES	2.00	12.90 R
TS	THERMASHEATH-3	ISOCYANURATE	SGL MATL W/FACING	METAL	CLG WALL FLR	NO	YES	2.25	14.70 R
TS	THERMASHEATH-3	ISOCYANURATE	SGL MATL W/FACING	METAL	CLG WALL FLR	NO	YES	2.50	16.40 R
TS	THERMASHEATH-3	ISOCYANURATE	SGL MATL W/FACING	METAL	CLG WALL FLR	NO	YES	3.00	19.90 R
TS	THERMASHEATH-3	ISOCYANURATE	SGL MATL W/FACING	METAL	CLG WALL FLR	NO	YES	3.25	21.60 R
TS	THERMASHEATH-3	ISOCYANURATE	SGL MATL W/FACING	METAL	CLG WALL FLR	NO	YES	3.50	23.30 R
TS	THERMASHEATH-3	ISOCYANURATE	SGL MATL W/FACING	METAL	CLG WALL FLR	NO	YES	3.75	25.00 R
TS	THERMASHEATH-3	ISOCYANURATE	SGL MATL W/FACING	METAL	CLG WALL FLR	NO	YES	4.00	26.80 R
TSX	TSX	ISOCYANURATE	SGL MATL W/FACING	METAL	CLG WALL FLR	YES	YES	0.75	5.00 R
TSX	TSX	ISOCYANURATE	SGL MATL W/FACING	METAL	CLG WALL FLR	YES	YES	1.00	5.90 R
TSX	TSX	ISOCYANURATE	SGL MATL W/FACING	METAL	CLG WALL FLR	YES	YES	1.25	7.70 R
TSX	TSX	ISOCYANURATE	SGL MATL W/FACING	METAL	CLG WALL FLR	YES	YES	1.50	9.40 R
TSX	TSX	ISOCYANURATE	SGL MATL W/FACING	METAL	CLG WALL FLR	YES	YES	1.75	11.20 R
TSX	TSX	ISOCYANURATE	SGL MATL W/FACING	METAL	CLG WALL FLR	YES	YES	2.00	12.90 R
TSX	TSX	ISOCYANURATE	SGL MATL W/FACING	METAL	CLG WALL FLR	YES	YES	2.25	14.70 R

* DESCRIPTION OF BRAND CODES
TRP = THERMAROOF PLUS-3 TS = THERMASHEATH-3 TSX = TSX

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
TSX	TSX	ISOCYANURATE	SGL MATL W/FACING	METAL	CLG WALL FLR	YES	YES	2.50	16.40 R
TSX	TSX	ISOCYANURATE	SGL MATL W/FACING	METAL	CLG WALL FLR	YES	YES	3.00	19.90 R
TSX	TSX	ISOCYANURATE	SGL MATL W/FACING	METAL	CLG WALL FLR	YES	YES	3.25	21.60 R
TSX	TSX	ISOCYANURATE	SGL MATL W/FACING	METAL	CLG WALL FLR	YES	YES	3.50	23.30 R
TSX	TSX	ISOCYANURATE	SGL MATL W/FACING	METAL	CLG WALL FLR	YES	YES	3.75	25.00 R
TSX	TSX	ISOCYANURATE	SGL MATL W/FACING	METAL	CLG WALL FLR	YES	YES	4.00	26.80 R
UM	ULTRAMAX	ISOCYANURATE	SGL MATL W/FACING	OTHER	ROOF DECK	NO	NO	1.50	9.10 R
UM	ULTRAMAX	ISOCYANURATE	SGL MATL W/FACING	OTHER	ROOF DECK	NO	NO	1.60	10.10 R
UM	ULTRAMAX	ISOCYANURATE	SGL MATL W/FACING	OTHER	ROOF DECK	NO	NO	1.80	11.40 R
UM	ULTRAMAX	ISOCYANURATE	SGL MATL W/FACING	OTHER	ROOF DECK	NO	NO	2.00	12.70 R
UM	ULTRAMAX	ISOCYANURATE	SGL MATL W/FACING	OTHER	ROOF DECK	NO	NO	2.10	13.00 R
UM	ULTRAMAX	ISOCYANURATE	SGL MATL W/FACING	OTHER	ROOF DECK	NO	NO	2.30	15.20 R
UM	ULTRAMAX	ISOCYANURATE	SGL MATL W/FACING	OTHER	ROOF DECK	NO	NO	2.60	17.50 R
UM	ULTRAMAX	ISOCYANURATE	SGL MATL W/FACING	OTHER	ROOF DECK	NO	NO	2.70	18.20 R
UM	ULTRAMAX	ISOCYANURATE	SGL MATL W/FACING	OTHER	ROOF DECK	NO	NO	3.30	22.80 R
UM	ULTRAMAX	ISOCYANURATE	SGL MATL W/FACING	OTHER	ROOF DECK	NO	NO	3.50	23.90 R
UM	ULTRAMAX	ISOCYANURATE	SGL MATL W/FACING	OTHER	ROOF DECK	NO	NO	4.00	27.60 R

* DESCRIPTION OF BRAND CODES
TSX = TSX UM = ULTRAMAX

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE	
AFP	AFPEPS075	POLYSTYRENE	SINGLE MATERIAL	NONE	WALL	NO	NO	0.75	2.90	R
AFP	AFPEPS100	POLYSTYRENE	SINGLE MATERIAL	NONE	WALL	NO	NO	1.00	3.90	R
AFP	AFPEPS150	POLYSTYRENE	SINGLE MATERIAL	NONE	WALL	NO	NO	1.50	5.90	R
AFP	AFPEPS200	POLYSTYRENE	SINGLE MATERIAL	NONE	WALL	NO	NO	2.00	7.80	R
AFP	AFPEPS300	POLYSTYRENE	SINGLE MATERIAL	NONE	WALL	NO	NO	3.00	11.70	R
AFP	AFPEPS400	POLYSTYRENE	SINGLE MATERIAL	NONE	ROOF DECK	NO	NO	4.00	15.60	R
AFP	DIAMNDSNAPFRM200	POLYSTYRENE	COMPOSITE	NONE	WALL	NO	NO	2.00	8.70	R
AFP	EPSTG150	POLYSTYRENE	SINGLE MATERIAL	NONE	WALL	NO	NO	1.00	4.20	R
AFP	RCONTRLSPECLM350	POLYSTYRENE	COMPOSITE	WOOD	WALL	NO	NO	4.50	14.50	R
AFP	RCONTRLSPECLM550	POLYSTYRENE	COMPOSITE	WOOD	WALL	NO	NO	6.50	22.30	R
AFP	RCONTRLSPECLM750	POLYSTYRENE	COMPOSITE	WOOD	ROOF DECK	NO	NO	8.50	30.00	R
AFP	RCONTRLSPECLM950	POLYSTYRENE	COMPOSITE	WOOD	ROOF DECK	NO	NO	10.50	37.00	R
AFP	RCNTROLSPECLM1150	POLYSTYRENE	COMPOSITE	WOOD	ROOF DECK	NO	NO	12.50	44.80	R
AFP	SUPERRPLUS050	POLYSTYRENE	FACED SINGLE MATL	METAL FOIL	WALL	NO	NO	0.50	2.00	R
AFP	SUPERRPLUS075	POLYSTYRENE	FACED SINGLE MATL	METAL FOIL	WALL	NO	NO	0.75	2.90	R

* DESCRIPTION OF BRAND CODES
AFP = ADVANCE FOAM PLASTICS

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICA-TIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORM-ANCE IN R,K, OR C VALUE
ALC	XSHEATHINGXBOARD	POLYSTYRENE	FACED SGL MATL	PAPER	CLF WALL FLR	NO	NO	0.25	1.00 R

* DESCRIPTION OF BRAND CODES
ALC = ALCAN COMPOSITES

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
DOW	BLUECOR	POLYSTYRENE	SINGLE MATERIAL	PLASTIC	WALL	NO	YES	0.25	1.00 R
DOW	DOW HP UL	POLYSTYRENE	SINGLE MATERIAL	PLASTIC	WALL	NO	YES	0.25	1.00 R
DOW	DOW HP UL	POLYSTYRENE	SINGLE MATERIAL	PLASTIC	WALL	NO	YES	0.375	1.50 R
SF	CAVITYMATE ULTRA	POLYSTYRENE	SINGLE MATERIAL	NONE	WALL	NO	YES	2.00	12.00 R
SF	DOW PROTECTION BD III	POLYSTYRENE	SINGLE MATERIAL	PLASTIC	WALL FLR	NO	YES	0.25	1.00 R
SF	RECOVERMATE CR	POLYSTYRENE	SINGLE MATERIAL	KRAFT	ROOF	NO	NO	0.375	1.50 R
SF	RESIDENTIAL SHEATHING	POLYSTYRENE	SINGLE MATERIAL	PLASTIC	WALL	NO	YES	0.50	3.00 R
SF	RESIDENTIAL SHEATHING	POLYSTYRENE	SINGLE MATERIAL	PLASTIC	WALL	NO	YES	0.75	4.00 R
SF	RESIDENTIAL SHEATHING	POLYSTYRENE	SINGLE MATERIAL	PLASTIC	WALL	NO	YES	1.00	5.00 R
SF	STUCCOMATE	POLYSTYRENE	SINGLE MATERIAL	NONE	WALL	NO	YES	0.75	4.00 R
SF	STUCCOMATE	POLYSTYRENE	SINGLE MATERIAL	NONE	WALL	NO	YES	1.00	5.00 R
SF	TYPE IV**	POLYSTYRENE	SINGLE MATERIAL	NONE	RF WALL FLR	NO	YES	1.00	5.00 R
SF	TYPE V**	POLYSTYRENE	SINGLE MATERIAL	NONE	RF WALL FLR	NO	YES	1.00	5.00 R
SF	TYPE VI**	POLYSTYRENE	SINGLE MATERIAL	NONE	RF WALL FLR	NO	YES	1.00	5.00 R
SF	TYPE VII**	POLYSTYRENE	SINGLE MATERIAL	NONE	RF WALL FLR	NO	YES	1.00	5.00 R
SF	TYPE X**	POLYSTYRENE	SINGLE MATERIAL	NONE	RF WALL FLR	NO	YES	1.00	5.00 R

** = Values will vary with thickness. Stated values are for 1 inch = R-5.

* DESCRIPTION ON BRAND CODES
DOW = DOW CHEMICAL COMPANY SF = STYROFOAM

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
HFP	HFPFOAM 10	POLYSTYRENE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	0.50	1.80 R
HFP	HFPFOAM 10	POLYSTYRENE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	1.00	3.60 R
HFP	HFPFOAM 10	POLYSTYRENE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	2.00	7.20 R
HFP	HFPFOAM 15	POLYSTYRENE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	1.00	4.00 R

* DESCRIPTION OF BRAND CODES
HFP - HIGHLAND FOAM PRODUCTS

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
IF	INSULFOAM1FSO-15	POLYSTYRENE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	0.50	2.00 R
IF	INSULFOAM1FSO-15	POLYSTYRENE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	1.00	4.00 R
IF	INSULFOAM1FSO-15	POLYSTYRENE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	1.50	6.00 R
IF	INSULFOAM1FSO-15	POLYSTYRENE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	2.00	8.00 R
IF	INSULFOAM1FSO-15	POLYSTYRENE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	2.50	10.00 R
IF	INSULFOAM1FSO-15	POLYSTYRENE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	3.00	12.00 R
IF	INSULFOAM1FSO-15	POLYSTYRENE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	3.50	14.00 R
IF	INSULFOAM1FSO-15	POLYSTYRENE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	4.00	16.00 R
IF	INSULFOAM15FS015	POLYSTYRENE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	1.00	4.20 R
IF	INSULFOAM15FSO15	POLYSTYRENE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	1.50	6.20 R

* DESCRIPTION OF BRAND CODES
IF = INSULFOAM

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICA-TIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORM-ANCE IN R,K, OR C VALUE
SRC	PPN-24SRC-.75	POLYSTYRENE	FACED SINGLE MATL	METAL	ROOF DECK	YES	YES	0.75	2.90 R

* DESCRIPTION OF BRAND CODES
SRC = SOLAR CAP

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICA-TIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORM-ANCE IN R,K, OR C VALUE
FMR	D-FA, D-PLUS	POLYSTYRENE	SINGLE MATERIAL	PLASTIC	ROOF	NO	YES	**1.00	**5.00 R
FMR	FF, F-1/2"	POLYSTYRENE	SINGLE MATERIAL	NONE	RF WALL FLR	NO	YES	**1.00	**5.00 R
FMR	F-I/S	POLYSTYRENE	SINGLE MATERIAL	PLASTIC	WALL	NO	YES	**1.00	**5.00 R
FMR	TYPE IV	POLYSTYRENE	SINGLE MATERIAL	NONE	RF WALL FLR	YES***	YES	**1.00	**5.00 R
FMR	TYPE V	POLYSTYRENE	SINGLE MATERIAL	NONE	RF WALL FLR	NO	YES	**1.00	**5.00 R
FMR	TYPE VI	POLYSTYRENE	SINGLE MATERIAL	NONE	RF WALL FLR	NO	YES	**1.00	**5.00 R
FMR	TYPE VII	POLYSTYRENE	SINGLE MATERIAL	NONE	RF WALL FLR	NO	YES	**1.00	**5.00 R
FMR	TYPE X	POLYSTYRENE	SINGLE MATERIAL	NONE	RF WALL FLR	NO	YES	**1.00	**5.00 R

** = Values will vary with thickness. Stated values are for R-5.
*** = Exposure applicable to AGTEK only.

* DESCRIPTION OF BRAND CODES
FMR = FOAMULAR

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
AMR	AMOCOR*****	POLYSTYRENE	FACED SINGLE MATL	PLASTIC	WALL	NO	YES	0.30	1.20 R
AMF	AMOFOAM	POLYSTYRENE	SINGLE MATERIAL	NONE	WALL	NO	YES	0.50	3.00 R
AMF	AMOFOAM	POLYSTYRENE	SINGLE MATERIAL	NONE	WALL	NO	YES	0.75	3.80 R
AMF	AMOFOAM	POLYSTYRENE	SINGLE MATERIAL	NONE	ROOF	NO	YES	1.00	5.00 R
AMF	AMOFOAM	POLYSTYRENE	SINGLE MATERIAL	NONE	ROOF	NO	YES	2.00	10.00 R
AMF	AMOFOAM-CMX/SLX	POLYSTYRENE	SINGLE MATERIAL	NONE	WALL	NO	YES	0.50	3.00 R
AMF	AMOFOAM-CMX/SLX	POLYSTYRENE	SINGLE MATERIAL	NONE	WALL	NO	YES	0.75	3.80 R
AMR	CB4**	POLYSTYRENE	FACED SINGLE MATL	PLASTIC	WALL	YES	YES	0.25	1.00 R
AMR	CB4**	POLYSTYRENE	FACED SINGLE MATL	PLASTIC	ROOF	YES	YES	0.25	1.00 R
AMR	FP14**	POLYSTYRENE	FACED SINGLE MATL	PLASTIC	WALL	NO	NO	0.25	1.00 R
AMR	FP38**	POLYSTYRENE	FACED SINGLE MATL	PLASTIC	WALL	NO	NO	0.37	1.50 R
AMR	NP14**	POLYSTYRENE	FOAM LAYERS	NONE	WALL	NO	NO	0.25	1.00 R
AMR	NP38**	POLYSTYRENE	FOAM LAYERS	NONE	WALL	NO	NO	0.37	1.50 R
AMR	P14**	POLYSTYRENE	FACED SINGLE MATL	PLASTIC	WALL	NO	NO	0.25	1.00 R
AMR	P38**	POLYSTYRENE	FACED SINGLE MATL	PLASTIC	WALL	NO	NO	0.37	1.50 R
AMR	PB4**	POLYSTYRENE	FACED SINGLE MATL	PLASTIC	WALL	NO	YES	0.25	1.00 R
AMR	PB6**	POLYSTYRENE	FACED SINGLE MATL	PLASTIC	ROOF	NO	YES	0.37	1.50 R
AMR	PB6 PLUS**	POLYSTYRENE	FACED SINGLE MATL	PLATIC	ROOF	NO	NO	0.37	1.50 R
AMR	PG38***	POLYSTYRENE	FACED SINGLE MATL	PLASTIC	WALL	NO	YES	0.37	1.50 R
AMR	PG38***	POLYSTYRENE	FACED SINGLE MATL	PLASTIC	ROOF	NO	YES	0.37	1.50 R
AMR	PG39****	POLYSTYRENE	FACED SINGLE MATL	PLASTIC	WALL	NO	YES	0.37	1.50 R
AMR	PG39****	POLYSTYRENE	FACED SINGLE MATL	PLASTIC	ROOF	NO	YES	0.37	1.50 R

** Fanfold Bundle, 4' x 50', 4' x 40'
*** 4' x 8' Sheets
**** 4' x 9' Sheets
***** 4' x 7', 4' x 7-1/2' or 4' x 8' Sheets

* DESCRIPTION OF BRAND CODES
AMR = AMOCOR UNDERLAYMENT BOARD
AMF = AMOFOAM

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICA-TIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORM-ANCE IN R,K, OR C VALUE
AMR	PG38***	POLYSTYRENE	FACED SINGLE MATL	PLASTIC	ROOF	NO	YES	0.37	1.50 R
PLY	PLYGOOD-ULTRA	POLYSTYRENE	FACED SINGLE MATL	PLASTIC	WALL	NO	YES	0.37	1.50 R
PLY	PLYGOOD-ULTRA	POLYSTYRENE	FACED SINGLE MATL	PLASTIC	WALL	NO	YES	0.44	2.00 R
AMR	ASTRO-BOARD**	POLYSTYRENE	FACED SINGLE MATL	PLASTIC	WALL	YES	YES	0.25	1.00 R
AMR	BACKER-PRO******	POLYSTYRENE	FACED SINGLE MATL	PLASTIC	WALL	YES	YES	0.25	1.00 R
AMR	XFP14**	POLYSTYRENE	FACED SINGLE MATL	PLASTIC	WALL	NO	NO	0.25	1.00 R
AMR	XP14**	POLYSTYRENE	FACED SINGLE MATL	PLASTIC	WALL	NO	NO	0.25	1.00 R

** Fanfold Bundle, 4' x 50', 4' x 40'

****** Fanfold Bundle, 45" X 24', 40" X 24'

*** 4' X 8' Sheets

* DESCRIPTION OF BRAND CODES

AMR = AMOCOR UNDERLAYMENT BOARD

PLY = PLYGOOD

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
ISP	INSULPERM	POLYSTYRENE	SINGLE MATERIAL	NONE	ROOF DECK	NO	NO	1.00	3.90 R
ISP	INSULPERM	POLYSTYRENE	SINGLE MATERIAL	NONE	ROOF DECK	NO	NO	2.00	7.80 R
ISP	INSULPERM	POLYSTYRENE	SINGLE MATERIAL	NONE	ROOF DECK	NO	NO	3.00	12.00 R
ISP	INSULPERM	POLYSTYRENE	SINGLE MATERIAL	NONE	ROOF DECK	NO	NO	4.00	16.00 R
ISP	INSULPERM	POLYSTYRENE	SINGLE MATERIAL	NONE	ROOF DECK	NO	NO	5.00	20.00 R
ISP	INSULPERM	POLYSTYRENE	SINGLE MATERIAL	NONE	ROOF DECK	NO	NO	6.00	24.00 R
ISP	INSULPERM	POLYSTYRENE	SINGLE MATERIAL	NONE	ROOF DECK	NO	NO	7.00	28.00 R
ISP	INSULPERM	POLYSTYRENE	SINGLE MATERIAL	NONE	ROOF DECK	NO	NO	8.00	32.00 R

* DESCRIPTION OF BRAND CODES
ISP = INSULPERM

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICA-TIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORM-ANCE IN R,K, OR C VALUE
SFM	STARRFOAM TYPE I	POLYSTYRENE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	1.00	3.60 R
SFM	STARRFOAM TYPE II	POLYSTYRENE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	1.00	4.00 R

* DESCRIPTION OF BRAND CODES
SFM = STARRFOAM MFG

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
TRY	TRYMER 200L	ISOCYANURATE	SINGLE MATERIAL	NONE	PANELS	NO	NO	1.00	5.30 R
TRY	TRYMER 250L	ISOCYANURATE	SINGLE MATERIAL	NONE	PANELS	NO	NO	1.00	5.30 R
TRY	TRYMER 350L	ISOCYANURATE	SINGLE MATERIAL	NONE	PANELS	NO	NO	1.00	5.30 R
TRY	TRYMER 400L	ISOCYANURATE	SINGLE MATERIAL	NONE	PANELS	NO	NO	1.00	5.30 R
TRY	TRYMER 1600	ISOCYANURATE	SINGLE MATERIAL	NONE	EQUIPMENT	NO	NO	1.00	5.30 R
TRY	TRYMER 1800	ISOCYANURATE	SINGLE MATERIAL	NONE	PIPE/PANELS	NO	NO	1.00	5.30 R
TRY	TRYMER 2000	ISOCYANURATE	SINGLE MATERIAL	NONE	PIPE	NO	NO	1.00	5.30 R
TRY	TRYMER 2500	ISOCYANURATE	SINGLE MATERIAL	NONE	PIPE/PANELS	NO	NO	1.00	5.30 R
TRY	TRYMER 3000	ISOCYANURATE	SINGLE MATERIAL	NONE	PIPE	NO	NO	1.00	5.30 R
TRY	TRYMER 4000	ISOCYANURATE	SINGLE MATERIAL	NONE	PIPE	NO	NO	1.00	5.00 R
TRY	TRYMER 6000	ISOCYANURATE	SINGLE MATERIAL	NONE	PIPE	NO	NO	1.00	5.00 R

* DESCRIPTION OF BRAND CODES
TRY = TRYMER

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	ACTS AS VAPOR BARRIER?	DENSITY LBS PER CUBIC FOOT	LABELED THERMAL PERFORM-ANCE IN R,K, OR C VALUE
SF	PIPE INSULATION BILLET	POLYSTYRENE	SINGLE MATERIAL	NONE	PIPE	YES	1.60	0.30 K

* DESCRIPTION OF BRAND CODES
SF = STYROFOAM

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED THERMAL PERFORMANCE HEATFLOW DOWN
CMP	FB400	REFLECT FOIL	SYSTEM	ROOF DECK	YES	YES	7.2 R
CMP	RB302F	REFLECT FOIL	SYSTEM	ROOF DECK	YES	YES	12.0 R

* DESCRIPTION OF BRAND CODES
CMP = COMPAC

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	PRIMARY USE	DESIGNED FOR EXPOSED APPLICA-TIONS?	ACTS AS VAPOR BARRIER?	LABELED THERMAL PERFORM-ANCE HEAT FLOW UP	LABELED THERMAL PERFORM-ANCE HEATFLOW DOWN
CS	C&S TYPE 2	REFLECTIVE FOIL	SINGLE MATERIAL	CEILING	YES	YES	2.5	5.9 R

* DESCRIPTION OF BRAND CODES
CS = C & S INSULATION

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED THERMAL PERFORMANCE HEAT FLOW UP	LABELED THERMAL PERFORMANCE HEATFLOW DOWN	
CGI	SOLAR GUARD	FOIL/FIBER GLASS	SINGLE MATL W/FACING	CEILING	YES	YES	7.6	10.3	R
CGI	SOLAR GUARD	FOIL/FIBER GLASS	SINGLE MATL W/FACING	CEILING	YES	YES	8.3	11.6	R

* DESCRIPTION OF BRAND CODES
CGI = CGI/SILVERCOTE

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED THERMAL PERFORMANCE HEATFLOW UP	LABELED THERMAL PERFORMANCE HEATFLOW DOWN	LABELED THERMAL PERFORMANCE HEATFLOW LEVEL
TVM	FOIL 1XBUBBLW FL	REFLECTIVE FOIL	FACED SGL MATL	CLG WALL FLR	YES	YES	5.30	10.60	6.8 R
TVM	FOIL 2XBUBBLE FL	REFLECTIVE FOIL	FACED SGL MATL	CLG WALL FLR	YES	YES	5.30	10.60	6.8 R
TVM	FR POLY1BUBBLE FL	REFLECTIVE FOIL	FACED SGL MATL	CLG WALL FLR	NO	YES	5.30	10.60	6.8 R
TVM	FR POLY2BUBBLE FL	REFLECTIVE FOIL	FACED SGL MATL	CLG WALL FLR	NO	YES	5.30	10.60	6.8 R

* DESCRIPTION OF BRAND CODES
TVM = TVM/COVERTECH FABRICATING INC.

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED THERMAL PERFORMANCE HEATFLOW UP	LABELED THERMAL PERFORMANCE HEATFLOW DOWN	LABELED THERMAL PERFORMANCE HEATFLOW LEVEL
ESP	CLASS A WHITE E40C0(3)	FOIL/PE FOAM/FOIL	COMPOSITE	CLG WALL FLR	YES	YES	3.60	5.80	4.70 R
ESP	ECONO-E E4000(4,2)	FOIL/PE FOAM/FOIL	COMPOSITE	CLG WALL FLR	YES	YES	5.60	10.20	7.30 R
ESP	ECONO-E WHITE E40W0(4,3)	FOIL/PE FOAM/FOIL	COMPOSITE	CLG WALL FLR	YES	YES	3.60	5.80	4.70 R
ESP	LOW-E HVAC L4D00(1,5)	FOIL/PE FOAM/FOIL	COMPOSITE	DUCT WRAP	YES	YES	3.69	4.03	3.98 R
ESP	LOW-E L4000(1,2)	FOIL/PE FOAM/FOIL	COMPOSITE	CLG WALL FLR	YES	YES	7.55	10.74	7.75 R
ESP	LOW-E WHITE L40W0(4,3)	FOIL/PE FOAM/FOIL	COMPOSITE	CLG WALL FLR	YES	YES	3.85	6.05	4.95 R
ESP	THERMA-SHEET HSEWRP (6)**	FOIL/PE FOAM/FOIL	COMPOSITE	WALL	NO	NO			7.00 R
ESP	SLAB-SHIELD S4000/SE400(6)	PE FM/FOIL/PE FM	COMPOSITE	FLOOR	NO	YES			1.40 R
ESP	VAPOR PLUS V400S(3,6)	FOIL/PE FOAM/FOIL	COMPOSITE	CLG WALL FLR	YES	YES	1.00	1.00	1.00 R

(1) = AVAILABLE in 4',5',6' widths
(2) = AVAILABLE with staple flange edges or EZ Seal edge
(3) = AVAILABLE with staple flange edges only
(4) = AVAILABLE in 4',6' widths
(5) = R-value achieved with 1/2" spacer around
(6) = AVAILABLE in 4" widths only

**THERMA-SHEET HSEWRP E4000SS(6)

* DESCRIPTION OF BRAND CODES
ESP = ENVIRONMENTALLY SAFE PRODUCTS

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED THERMAL PERFORMANCE HEATFLOW UP	LABELED THERMAL PERFORMANCE HEATFLOW DOWN	LABELED THERMAL PERFORMANCE HEATFLOW LEVEL	
AST	ASTRO-E	BUBBLEPK/FOIL	SINGLE MATL	CLG WALL FLR	YES	YES	4.70	13.60	5.50	R
AST	ASTRO-FOIL	BUBBLEPK/FOIL	SINGLE MATL	CLG WALL FLR	YES	YES	5.10	13.80	5.89	R

* DESCRIPTION OF BRAND CODES
AST = ASTRO-FOIL

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED THERMAL PERFORMANCE HEATFLOW UP	LABELED THERMAL PERFORMANCE HEATFLOW DOWN	LABELED THERMAL PERFORMANCE HEATFLOW LEVEL	
			IN 2X6" APPLICATIONS							
RXI	BP	BUBBLEPK/FOIL	SINGLE MATERIAL	CLG WALL FLR	YES	YES	5.16	11.71	6.65	R
			IN 2X4" APPLICATIONS							
RXI	BP	BUBBLEPK/FOIL	SINGLE MATERIAL	CLG WALL FLR	YES	YES	4.96	10.08	6.55	R
RXI	DW	BUBBLEPK/FOIL	EXTERIOR WRAP	DUCT WRAP	YES	YES		**	6.40	R
RXI	LPW	BUBBLEPK/FOIL	LINEAL PIPE WRAP	PIPE WRAP	YES	YES	NO R-VALUE CLAIMED			
RXI	SPW	BUBBLEPK/FOIL	SPIRAL PIPE WRAP	PIPE WRAP	YES	YES	NO R-VALUE CLAIMED			

Insulation "R" is for the Reflectix plus enclosed air spaces on both sides of the product.

** R-value of duct with Reflectix installed with 3/4" airspace measured to ASTM 335 at 75° mean.

* DESCRIPTION OF BRAND CODES
RXI = REFLECTIX INC

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED THERMAL PERFORMANCE HEAT FLOW UP	LABELED THERMAL PERFORMANCE HEATFLOW DOWN
							**	**
SRI	F-2 FLRET FOIL	REFLECT FOIL	SINGLE MATERIAL	CEILING	YES	YES	4.50	11.90 R
SRI	TYPE 4 FLRET FOIL	REFLECT FOIL	SINGLE MATERIAL	CEILING	YES	YES	8.40	17.30 R
SRI	TYPE 5 FLRET FOIL	REFLECT FOIL	SINGLE MATERIAL	CEILING	YES	YES	10.20	20.30 R
SRI	TYPE 6 FLRET FOIL	REFLECT FOIL	SINGLE MATERIAL	CEILING	YES	YES	11.30	21.50 R
SRI	FSKF	REFLECT FOIL	SINGLE MATERIAL	CEILING	YES	YES	4.50	12.00 R
SRI	STURDI-WRAP	REFLECT FOIL	SINGLE MATERIAL	CEILING	YES	YES	4.50	12.00 R

** All R values for heat flow up include an additional 1.32R still air film.
*** All R values for heat flow down include an additional 4.55R still air film.

NOTE: All tests were conducted in 2 X 6" cavity. If installed in 2 X 4" cavity values will be somewhat less. Coloring the face of any of the above products will reduce the value per ** and ***.

* DESCRIPTION OF BRAND CODES
SRI = SUPERIOR RADIANT INSULATION

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?
AFS	AFS-2	REFLECTIVE FOIL	SINGLE MATERIAL	ROOF DECK	YES	YES
AFS	AFS-2/BLACK PB	REFLECTIVE FOIL	SINGLE MATERIAL	ROOF DECK	YES	YES
AFS	AFS-2/WHITE	REFLECTIVE FOIL	SINGLE MATERIAL	ROOF DECK	YES	YES
AFS	AFS-2/WHITE PW	REFLECTIVE FOIL	SINGLE MATERIAL	ROOF DECK	YES	YES
AFS	ALUMA-FOIL HD	REFLECTIVE FOIL	SINGLE MATERIAL	CLG WALL FLR	YES	NO
AFS	ALUMA-FOIL PLUS	REFLECTIVE FOIL	SINGLE MATERIAL	CLG WALL FLR	YES	NO
AFS	ALUMA-FOIL RB	REFLECTIVE FOIL	SINGLE MATERIAL	CLG WALL FLR	YES	YES
AFS	FSKF/PW	REFLECTIVE FOIL	SINGLE MATERIAL	ROOF DECK	YES	YES

(PB = PAINTED BLACK)
(PW = PAINTED WHITE)

* DESCRIPTION OF BRAND CODES
AFS = ADVANCED FOIL SYSTEMS

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	PRIMARY USE	DESIGNED FOR EXPOSED APPLICA-TIONS?	ACTS AS VAPOR BARRIER?
CMP	FB 30	RADIANT BARRIER	SINGLE MATERIAL	ROOF	YES	YES
CMP	FB 400 ASJ	RADIANT BARRIER	SINGLE MATERIAL	ROOF	YES	YES
CMP	VR 10	RADIANT BARRIER	SINGLE MATERIAL	ROOF	YES	YES

* DESCRIPTION OF BRAND CODES
CMP = COMPAC CORP

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	PRIMARY USE	DESIGNED FOR EXPOSED APPLICA-TIONS?	ACTS AS VAPOR BARRIER?
TVM	NT RAD BARRIER RFOIL	REFLECT FOIL	SINGLE MATL / FACING	CLG WALL FLR	YES	YES

* DESCRIPTION OF BRAND CODES
TVM = TVM/COVERTECH FABRICATING INC.

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?
FFC	SILVERSHIELDRB	REFLECT FOIL	SYSTEM	CEILING	YES	NO

* DESCRIPTION OF BRAND CODES
FFC = FI-FOIL CO

PRODUCT:
RADIANT BARRIER

MANUFACTURER OR PRIVATE LABEL:
SUPERIOR RADIANT INSULATION, INC.

REG NO. CA-T032

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	PRIMARY USE	DESIGNED FOR EXPOSED APPLICA-TIONS?	ACTS AS VAPOR BARRIER?
SRI	POLAR-PLY RB-S	REFLECT FOIL	SINGLE MATERIAL	ROOF DECK	YES	NO

* DESCRIPTION OF BRAND CODES
SRI = SUPERIOR RADIANT INSULATION

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED THERMAL PERFORMANCE PER INCH	
THL	THERMOLOK-WS	CELLULOSE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	3.7	R

* DESCRIPTION OF BRAND CODES
THL = THERMOLOK

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED THERMAL PERFORMANCE PER INCH	
CBW	CELBAR WALLSPRAY	CELLULOSE	SINGLE MATERIAL	NONE	WALL	NO	NO	3.75	R
K13	K13 SPRAY ON	CELLULOSE	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.75	R
URK	UREK THERMAL BAR	CELLULOSE	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	3.75	R

* DESCRIPTION OF BRAND CODES
CBW = CELBAR WALL SPRAY K13 = K13 SPRAY ON URK = URE-K

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED THERMAL PERFORMANCE PER INCH	
CC	COCOON2	CELLULOSE	SINGLE MATERIAL	NONE	CLG FLR	SEE NOTE	NO	3.70	R
CC	COCOON2 STABILIZED	CELLULOSE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	3.70	R

NOTE: The above product is not intended to be used in applications where it is exposed on the interior of walls and ceilings.

* DESCRIPTION OF BRAND CODES
CC = COCOON

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	ACTS AS VAPOR BARRIER?	LABELED THERMAL PERFORM-ANCE PER INCH
JM	SPIDER	FIBER GLASS	SINGLE	NONE	WALL	NO	4.30 R

* DESCRIPTION OF BRAND CODES
JM = JOHNS MANVILLE

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	ACTS AS VAPOR BARRIER?	LABELED THERMAL PERFORM-ANCE PER INCH	
BSF	AUTOFROTH 0107	URETHANE	SINGLE MATERIAL	NONE	WALL	NO	0.15	K
BSF	AUTOFROTH 0208	URETHANE	SINGLE MATERIAL	NONE	WALL	NO	0.16	K
BSF	AUTOFROTH 0411	URETHANE	SINGLE MATERIAL	NONE	WALL	NO	0.16	K
BSF	AUTOFROTH 9115	URETHANE	SINGLE MATERIAL	NONE	WALL	NO	0.16	K
BSF	AUTOFROTH 9604	URETHANE	SINGLE MATERIAL	NONE	WALL	NO	0.16	K
BSF	AUTOFROTH 9610	URETHANE	SINGLE MATERIAL	NONE	WALL	NO	0.15	K
BSF	ELASTOPOR 14000	URETHANE	SINGLE MATERIAL	NONE	WALL	NO	0.14	K
BSF	ELASTOPOR 14001	URETHANE	SINGLE MATERIAL	NONE	WALL	NO	0.14	K
BSF	ELASTOPOR P15820	URETHANE	SINGLE MATERIAL	NONE	WALL	NO	0.15	K
BSF	ELASTOSPRAY 1270 II	URETHANE	SINGLE MATERIAL	NONE	ROOF DECK	NO	6.66	R
BSF	ELASTOSPRAY 1409	URETHANE	SINGLE MATERIAL	NONE	ROOF DECK	NO	7.69	R
BSF	ELASTOSPRAY 1438	URETHANE	SINGLE MATERIAL	NONE	WALL	NO	7.69	R
BSF	ELASTOSPRAY 1451	URETHANE	SINGLE MATERIAL	NONE	ROOF DECK	NO	7.30	R
BSF	ELASTOSPRAY 1487	URETHANE	SINGLE MATERIAL	NONE	WALL	NO	7.69	R
BSF	ELASTOSPRAY 1620	URETHANE	SINGLE MATERIAL	NONE	ROOF DECK	NO	6.66	R
BSF	ELASTOSPRAY 2001	URETHANE	SINGLE MATERIAL	NONE	ROOF DECK	NO	6.66	R
BSF	ELASTOSPRAY 5100	URETHANE	SINGLE MATERIAL	NONE	ROOF DECK/WALL	NO	6.25	R
BSF	ELASTOSPRAY 5100 FR	URETHANE	SINGLE MATERIAL	NONE	ROOF DECK/WALL	NO	6.66	R
BSF	ELASTOSPRAY 81202	URETHANE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	5.90	R
BSF	ELASTOSPRAY 81202 FR	URETHANE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	5.90	R
BSF	ELASTOSPRAY 81205	URETHANE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	5.80	R
BSF	ELASTOSPRAY 81205 FR	URETHANE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	5.80	R
BSF	ELASTOSPRAY 81252	URETHANE	SINGLE MATERIAL	NONE	ROOF DECK	NO	5.90	R
BSF	ELASTOSPRAY 81272	URETHANE	SINGLE MATERIAL	NONE	ROOF DECK	NO	5.90	R
BSF	ELASTOSPRAY 81284	URETHANE	SINGLE MATERIAL	NONE	ROOF DECK	NO	5.80	R

* DESCRIPTION OF BRAND CODES
BSF = BASF CORP

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	ACTS AS VAPOR BARRIER?	LABELED THERMAL PERFORM-ANCE PER INCH	
BSF	ELASTOSPRAY 81302	URETHANE	SINGLE MATERIAL	NONE	ROOF DECK	NO	5.90	R
BSF	ELASTOSPRAY 82272	URETHANE	SINGLE MATERIAL	NONE	ROOF DECK	NO	5.90	R
BSF	ELASTOSPRAY 82302	URETHANE	SINGLE MATERIAL	NONE	ROOF DECK	NO	5.90	R

* DESCRIPTION OF BRAND CODES
BSF = BASF CORP

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	ACTS AS VAPOR BARRIER?	LABELED THERMAL PERFORM-ANCE PER INCH	
BBS	BIO BASED 501	URETHANE	COMPOSITE	NONE	CLG WALL FLR	NO	3.7	R

* DESCRIPTION OF BRAND CODES
BBS = BIO BASED SYSTEMS

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	ACTS AS VAPOR BARRIER?	LABELED THERMAL PERFORM-ANCE PER INCH
DPI	7079818230	URETHANE	COMPOSITE	NONE	CLG WALL FLR	NO	5.00 R
DPI	7079818232	URETHANE	COMPOSITE	NONE	CLG WALL FLR	NO	5.00 R
DPI	7079818826	LATEX	SINGLE MATL	NONE	CLG WALL FLR	NO	4.35 R

* DESCRIPTION OF BRAND CODES
DPI = DAP INC

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	ACTS AS VAPOR BARRIER?	LABELED THERMAL PERFORM-ANCE PER INCH	
FN	DOWFN12OZ	URETHANE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	3.60	R
FN	DOWFN20OZ	URETHANE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	3.60	R
FP	DOWFP25FS12OZ	URETHANE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	4.40	R
FP	DOWFP18025FS	URETHANE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	4.40	R
FP	DOWFP60025FS	URETHANE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	4.40	R
FP	DOWFP200025FS	URETHANE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	4.40	R
GS	DOWGS12OZ	URETHANE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	3.90	R
GS	DOWGS16OZ	URETHANE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	3.90	R
GS	DOWGS20OZ	URETHANE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	3.90	R
GS	DOWGS10LB	URETHANE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	3.90	R
GS	DOWGSM12	URETHANE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	3.90	R
GTE	DOWGSBGF-12OZ	URETHANE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	3.60	R
GTE	DOWGSBGF-16OZ	URETHANE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	3.60	R
GTE	DOWGSBGF-20OZ	URETHANE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	3.60	R
GWD	DOWGSWD12OZ	URETHANE	SINGLE MATERIAL	NONE	WALL	NO	3.80	R
GWD	DOWGSWD16OZ	URETHANE	SINGLE MATERIAL	NONE	WALL	NO	3.80	R
GWD	DOWGSWD20OZ	HRETHANE	SINGLE MATERIAL	NONE	WALL	NO	3.80	R
IS	DOWIS10LB	URETHANE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	3.70	R
IS	DOWIS16LB	URETHANE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	3.70	R
PF	DOWGSP24OZ	URETHANE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	3.60	R
PF	DOWSPF	URETHANE	SINGLE MATERIAL	NONE	ROOF	NO	6.10	R
PF	ENERFOAM24OZ	URETHANE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	3.60	R
PF	ENERFOAM12OZ	URETHANE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	3.60	R

* DESCRIPTION OF BRAND CODES
FN = FILL'N SEAL FP = FROTH PAK GS = GREAT STUFF GTE = GREAT STUFF TRIPLE EXPANDING
GWD = GREAT STUFF WINDOW DOOR IS = INSTA-SEAL PF = PROFOAM

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	ACTS AS VAPOR BARRIER?	INSTALLED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORM-ANCE IN R,K, OR C VALUE	
BSF	ER FOAM 2.0	URETHANE	SINGLE	NONE	CLG WALL FLR	NO	1.00	7.14	R
BSF	ER FOAM 3.0	URETHANE	SINGLE	NONE	ROOF DECK	NO	1.00	7.14	R

* DESCRIPTION OF BRAND CODES
BSF = BASF

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	ACTS AS VAPOR BARRIER?	LABELED THERMAL PERFORM-ANCE PER INCH	
FAI	SKT-001 SEALANT	URETHANE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	3.6	R

* DESCRIPTION OF BRAND CODES
FAI = FAI INTERNATIONAL INC

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	ACTS AS VAPOR BARRIER?	LABELED THERMAL PERFORM-ANCE PER INCH	
FE	CF-110/FE-110 SERIES	URETHANE	COMPOSITE	NONE	PERIMETER WALL	NO	6.3	R
FE	CF-300 SERIES	URETHANE	COMPOSITE	NONE	PERIMETER WALL	NO	6.3	R
FE	FE117	URETHANE	COMPOSITE	NONE	CLG WALL FLR	YES	5.8	R
FE	FE119	URETHANE	COMPOSITE	NONE	CLG WALL FLR	YES	5.8	R
FE	FE122	URETHANE	COMPOSITE	NONE	CLG WALL FLR	YES	5.8	R
FE	FE148	URETHANE	COMPOSITE	NONE	CLG WALL FLR	YES	5.8	R
FE	FE303-1.7D SERIES	URETHANE	COMPOSITE	NONE	PERIMETER WALL	NO	6.3	R
FE	FE303-2.0D SERIES	URETHANE	COMPOSITE	NONE	PERIMETER WALL	NO	6.3	R
FE	FE303-2.5 SERIES	URETHANE	COMPOSITE	NONE	ROOF DECK	NO	6.3	R
FE	FE303-2.7 SERIES	URETHANE	COMPOSITE	NONE	ROOF DECK	NO	6.3	R
FE	FE303-2.8 SERIES	URETHANE	COMPOSITE	NONE	ROOF DECK	NO	6.3	R
FE	FE303-3.0 SERIES	URETHANE	COMPOSITE	NONE	ROOF DECK	NO	6.3	R
FE	FE314 SERIES	URETHANE	COMPOSITE	NONE	ROOF DECK	NO	6.3	R
FE	FE322 SERIES	URETHANE	COMPOSITE	NONE	ROOF DECK	NO	6.3	R
FE	FE345 SERIES	URETHANE	COMPOSITE	NONE	ROOF DECK	NO	6.3	R
FE	FE346	URETHANE	COMPOSITE	NONE	ROOF	NO	5.8	R
FE	FE348	URETHANE	COMPOSITE	NONE	ROOF	NO	5.8	R
FE	FE351	URETHANE	COMPOSITE	NONE	ROOF	NO	5.8	R
FE	FE3100.46 SERIES	URETHANE	COMPOSITE	NONE	ROOF DECK	NO	6.3	R
PPG	PREMIUM 241-2.0/303CD	URETHANE	SINGLE	NONE	PERIMETER WALL	NO	6.3	R
PPG	PREMIUM 241-2.5/303CD	URETHANE	SINGLE	NONE	ROOF DECK	NO	6.3	R
PPG	PREMIUM 241-3.0/303CD	URETHANE	SINGLE	NONE	ROOF DECK	NO	6.3	R

* DESCRIPTION OF BRAND CODES
FE = FOAM ENTERPRISES LLC PPG = PREMIUM POLYMERS GROUP

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	ACTS AS VAPOR BARRIER?	LABELED THERMAL PERFORMANCE PER INCH	%
PLF	POLYFOAM 193	URETHANE	COMPOSITE	NONE	INTERIOR WALL	NO	5.7	R
PLF	POLYFOAM 273	URETHANE	COMPOSITE	NONE	ROOF DECK	NO	6.0	R
PLF	POLYFOAM 2003	URETHANE	COMPOSITE	NONE	INTERIOR WALL	NO	5.9	R

* DESCRIPTION OF BRAND CODES
PLF = POLYFOAM

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	ACTS AS VAPOR BARRIER?	LABELED THERMAL PERFORM-ANCE PER INCH
ULT	ULTRA-THANE 230	URETHANE	COMPOSITE	NONE	ROOF DECK	NO	6.70 R

* DESCRIPTION OF BRAND CODES
ULT = ULTRATHANE

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	ACTS AS VAPOR BARRIER?	LABELED THERMAL PERFORM-ANCE PER INCH
VOR	CE-108ISO/CR863 POLYOL	URETHANE	SYSTEM	NONE	EQUIPMENT	NO	0.13 K
VOR	CE-108ISO/CR843 POLYOL	URETHANE	SYSTEM	NONE	EQUIPMENT	NO	0.14 K
VOR	CE-108ISO/CR978 POLYOL	URETHANE	SYSTEM	NONE	WALL	NO	0.13 K
VOR	CE-108ISO/CR851 POLYOL	URETHANE	SYSTEM	NONE	CLG WALL FLR	NO	0.14 K

* DESCRIPTION OF BRAND CODES
VOR = VORACOR

PRODUCT: POLYURETHANE FIELD APPLIED

MANUFACTURER OR PRIVATE LABEL: HYDROSEAL POLYMERS, INC.

REG NO. CA-T254

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	ACTS AS VAPOR BARRIER?	LABELED THERMAL PERFORM-ANCE PER INCH
HS	HS 117	URETHANE	SINGLE MATERIAL	NONE	POUR/SPRAY	NO	6.30 R
HS	HS 200	URETHANE	SINGLE MATERIAL	NONE	POUR/SPRAY	NO	6.30 R
HS	HS 201	URETHANE	SINGLE MATERIAL	NONE	POUR/SPRAY	NO	6.30 R
HS	HS 202	URETHANE	SINGLE MATERIAL	NONE	POUR/SPRAY	NO	6.30 R
HS	HS 210	URETHANE	SINGLE MATERIAL	NONE	POUR/SPRAY	NO	6.30 R

* DESCRIPTION OF BRAND CODES
HS = HYDROSEAL POLYMERS

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	ACTS AS VAPOR BARRIER?	LABELED THERMAL PERFORM-ANCE PER INCH	
INS	INSULSTAR	POLYURETHANE	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	6.80	R
SEA	SEALITE	POLYURETHANE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	3.60	R

* DESCRIPTION OF BRAND CODES
INS = INSULSTAR SEA - SEALITE

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	ACTS AS VAPOR BARRIER?	LABELED THERMAL PERFORM-ANCE PER INCH
PSI	PSI-S245	URETHANE	COMPOSITE	NONE	ROOF DECK	NO	6.20 R
PSI	PSI-SH200	URETHANE	COMPOSITE	NONE	ROOF DECK	NO	6.70 R
PSI	PSI-SW200	URETHANE	COMPOSITE	NONE	ROOF DECK	NO	5.70 R

* DESCRIPTION OF BRAND CODES
PSI = POLYTHANE SYSTEMS INC

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	ACTS AS VAPOR BARRIER?	INSTALLED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORM-ANCE IN R,K, OR C VALUE	
HEN	NO.714-2.5	URETHANE	SINGLE	NONE	ROOF DECK	NO	1.00	6.11	R
HEN	NO.714-3.0	URETHANE	SINGLE	NONE	ROOF DECK	NO	1.00	6.11	R
HEN	NO.715-1.7	URETHANE	SINGLE	NONE	WALL	NO	1.00	6.46	R
HEN	NO.715-2.0	URETHANE	SINGLE	NONE	WALL	NO	1.00	6.46	R
RTC	R2011	URETHANE	SINGLE	NONE	WALL	NO	1.00	6.54	R
RTC	RT2031-2.5	URETHANE	SINGLE	NONE	ROOF DECK	NO	1.50	9.17	R
RTC	RT2031-2.5-3.0	URETHANE	SINGLE	NONE	ROOF DECK	NO	1.00	6.11	R
RTC	RT2031-3.0	URETHANE	SINGLE	NONE	ROOF DECK	NO	1.50	9.17	R
RTC	RT2041	URETHANE	SINGLE	NONE	WALL	NO	1.00	6.46	R
RTC	RT3041	URETHANE	SINGLE	NONE	WALL	NO	1.00	6.73	R
RTC	RT5041	URETHANE	SYSTEM	METAL	EQUIPMENT	NO	1.00	7.49	R
RTC	RT5090	URETHANE	SINGLE	NONE	WALL	NO	1.00	3.40	R
RTC	RT5090	URETHANE	SINGLE	NONE	WALL	NO	4.00	13.60	R

* DESCRIPTION OF BRAND CODES
HEN = HENRY COMPANY RTC = RESIN TECHNOLOGY

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	ACTS AS VAPOR BARRIER?	INSTALLED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORM-ANCE IN R,K, OR C VALUE
UCS	SFC II 1.9	URETHANE	SINGLE	NONE	CLG WALL FLR	NO	1.00	6.25 R
UCS	SFC II 2.4	URETHANE	SINGLE	NONE	ROOF DECK	NO	1.00	6.25 R
UCS	SFC II 2.7	URETHANE	SINGLE	NONE	ROOF DECK	NO	1.00	6.25 R
UCS	SHS I .5	URETHANE	SINGLE	NONE	WALL	NO	1.00	3.69 R

* DESCRIPTION OF BRAND CODES
UCS= UCSC LTD

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	ACTS AS VAPOR BARRIER?	LABELED THERMAL PERFORM-ANCE PER INCH
SWD	SW-125	URETHANE	SINGLE MATERIAL	NONE	ROOF DECK	NO	6.90 R

* DESCRIPTION OF BRAND CODES
SWD = SOUTHWEST DISTRIBUTING CO

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICA-TIONS?	ACTS AS VAPOR BARRIER?	SETTLED DENSITY LBS PER CU FOOT	LABELED THERMAL PERFORM-ANCE PER INCH	
THL	THERMOLOK-LF	CELLULOSE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	1.6	3.7	R
THL	THERMOLOK-PC	CELLULOSE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	1.6	3.7	R

* DESCRIPTION OF BRAND CODES
THL = THERMOLOK

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICA-TIONS?	ACTS AS VAPOR BARRIER?	SETTLED DENSITY LBS PER CU FOOT	LABELED THERMAL PERFORM-ANCE PER INCH	
RS	REDISAFE	CELLULOSE	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	1.6	3.8	R

* DESCRIPTION OF BRAND CODES
RS = REDISAFE

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICA-TIONS?	ACTS AS VAPOR BARRIER?	SETTLED DENSITY LBS PER CU FOOT	LABELED THERMAL PERFORM-ANCE PER INCH
CC	COCOON	CELLULOSE	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	1.6	3.70 R

* DESCRIPTION OF BRAND CODES
CC = COCOON

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	DESIGN DENSITY LBS PER CU FOOT	LABELED THERMAL PERFORMANCE PER INCH
CT	IS PS 61.00	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	YES	NO	0.49	2.50 R
CT	IS PS 61.00	FIBER GLASS	SINGLE MATERIAL	NONE	WALL FLR	NO	NO	1.60	4.00 R
CT	OPT PS 61.00	FIBER GLASS	SINGLE MATERIAL	NONE	CLG WALL FLR	NO	NO	1.80	4.20 R
CT	STD BW PS 88.00	FIBER GLASS	SINGLE MATERIAL	NONE	CLG	YES	NO	0.67	2.20 R
CT	SYS 5 61.0	FIBER GLASS	SINGLE MATERIAL	NONE	CLG	YES	NO	0.49	2.45 R
CT	UT BW PS 92.00	FIBER GLASS	SINGLE MATERIAL	NONE	CLG	YES	NO	0.60	2.30 R

* DESCRIPTION OF BRAND CODES
CT = CERTAINTEED

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	DESIGN DENSITY LBS PER CU FOOT	LABELED THERMAL PERFORMANCE PER INCH	
GFI	GR002	FIBER GLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	0.60	2.60	R
GFI	GR002B	FIBER GLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	0.70	2.60	R
GFI	GR002P	FIBER GLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	0.60	2.60	R
GFI	GR002P	FIBER GLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	1.00	3.20	R
GFI	GR00AG	FIBER GLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	0.68	2.30	R
GFI	GR00R	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	NO	NO	2.00	4.00	R
GFI	GR00UF	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	NO	NO	2.00	4.00	R
GFI	GR00US	FIBER GLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	0.70	2.30	R
GFI	GR00W2	FIBER GLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	0.70	2.30	R
GFI	GR00W3	FIBER GLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	0.70	2.30	R

* DESCRIPTION OF BRAND CODES
GFI= GUARDIAN FIBERGLASS INC

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
JM	CLIMATE PRO BW	FIBER GLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	13.00 **	30.00 R **
JM	RICH-R	FIBER GLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	0.66	2.31 R

** Values will vary with thickness.
Stated values are for R-30.

* DESCRIPTION OF BRAND CODES
JM = JOHNS MANVILLE

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT DESIGN DENSITY	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
KNF	BLUE LABEL	FIBER GLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	0.55	2.40 R
KNF	BLUE LABEL	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.80	3.80 R
KNF	K-WOOL	FIBER GLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	0.50	2.50 R
KNF	K-WOOL	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.40	3.80 R
KNF	SUMMIT	FIBER GLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	0.48	2.50 R
KNF	SUMMIT	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.60	3.80 R

* DESCRIPTION OF BRAND CODES
KNF = KNAUF FIBER GLASS

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICA-TIONS?	ACTS AS VAPOR BARRIER?	DESIGN DENSITY LBS PER CU FOOT	LABELED THERMAL PERFORM-ANCE PER INCH
FG	ADV THERMACUBE +	FIBER GLASS	SINGLE MATERIAL	NONE	CEILING	YES	NO	0.513	0.24 R
FG	ADV THERMACUBE +	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.48	3.80 R
FG	PROPINK	FIBER GLASS	SINGLE MATERIAL	NONE	CLG	NO	NO	0.75	2.98 R
FG	PROPINK	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	NO	NO	1.00	3.80 R
FG	THERMAGLAS	FIBER GLASS	SINGLE MATERIAL	NONE	WALL	YES	NO	1.60	3.80 R
FG	THERMAGLAS LF	FIBER GLASS	SINGLE MATERIAL	NONE	CLG	YES	NO	0.718	2.50 R
WF	PO BW 30	FIBER GLASS	SINGLE MATERIAL	NONE	CLG	YES	NO	0.70	2.60 R

* DESCRIPTION OF BRAND CODES
FG = FIBERGLAS WF = WESTERN FIBERGLASS

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	DESIGN DENSITY LBS PER CU FOOT		LABELED THERMAL PERFORMANCE PER INCH	
TAW	BLOWING WOOL	ROCKWOOL	SINGLE MATERIAL	NONE	CEILING	YES	NO	1.60	**	3.03	R
TAW	BLOWING WOOL	ROCKWOOL	SINGLE MATERIAL	NONE	CEILING	YES	NO	1.90	***	3.32	R
TWS	WALL SPRAY	ROCKWOOL	SINGLE MATERIAL	NONE	WALL	YES	NO	4.00		4.14	R

** = For installations of R-32 or less.
*** = For installations of R-33 or more.

* DESCRIPTION OF BRAND CODES
TAW = THERMAFIBER ATTIC WOOL TWS = THERMAFIBER WALL SPRAY

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
CGI	WATER HEATER	FIBER GLASS	SINGLE MATL W/FACING	PLASTIC	WTR HTR	YES	NO	2.00	0.31 K
CGI	WATER HEATER	FIBER GLASS	SINGLE MATL W/FACING	PLASTIC	WTR HTR	YES	NO	3.00	0.30 K

* DESCRIPTION OF BRAND CODES
CGI = CGI/SILVERCOTE

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
JM	LINACOUSTIC RC	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	0.50	0.46 C
JM	LINACOUSTIC RC	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	1.00	0.24 C
JM	LINACOUSTIC RC	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	1.50	0.16 C
JM	LINACOUSTIC RC	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	2.00	0.13 C
JM	MADSPIRA	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.00	0.23 K
JM	MICRO-FLEX AP/FSK	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/PIPES	YES	YES	1.00	0.24 K
JM	MICRO-FLEX AP/FSK	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/PIPES	YES	YES	1.50	0.24 K
JM	MICRO-FLEX AP/FSK	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/PIPES	YES	YES	2.00	0.24 K
JM	MICRO-FLEX AP/FSK	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/PIPES	YES	YES	2.50	0.24 K
JM	MICRO-FLEX AP/FSK	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/PIPES	YES	YES	3.00	0.24 K
JM	MICRO-FLEX AP/FSK	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/PIPES	YES	YES	3.50	0.24 K
JM	MICRO-FLEX AP/FSK	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/PIPES	YES	YES	4.00	0.24 K
JM	MICRO-LOK	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	0.50	0.25 K
JM	MICRO-LOK	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	1.00	0.25 K
JM	MICRO-LOK	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	1.50	0.25 K
JM	MICRO-LOK	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	2.00	0.25 K
JM	MICRO-LOK	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	2.50	0.25 K
JM	MICRO-LOK	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	3.00	0.25 K
JM	MICRO-LOK	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	3.50	0.25 K
JM	MICRO-LOK	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	4.00	0.25 K
JM	MICRO-LOK	FIBER GLASS	SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	0.50	0.25 K
JM	MICRO-LOK	FIBER GLASS	SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	1.00	0.25 K
JM	MICRO-LOK	FIBER GLASS	SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	1.50	0.25 K
JM	MICRO-LOK	FIBER GLASS	SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	2.00	0.25 K
JM	MICRO-LOK	FIBER GLASS	SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	2.50	0.25 K

* DESCRIPTION OF BRAND CODES
JM = JOHNS MANVILLE

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
JM	MICRO-LOK	FIBER GLASS	SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	3.00	0.25 K
JM	MICRO-LOK	FIBER GLASS	SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	3.50	0.25 K
JM	MICRO-LOK	FIBER GLASS	SINGLE MATERIAL	MTL/PPR	PIPES	YES	YES	4.00	0.25 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	0.25	0.31 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	0.38	0.31 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	0.50	0.31 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	0.75	0.31 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	1.00	0.31 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	1.25	0.31 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	1.50	0.31 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	1.75	0.31 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	2.00	0.31 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	2.25	0.31 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	2.50	0.31 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	2.75	0.31 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	3.00	0.31 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	3.25	0.31 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	3.50	0.31 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	3.75	0.31 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	4.00	0.31 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.25	0.31 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.38	0.31 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.50	0.31 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.75	0.31 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.00	0.31 K

* DESCRIPTION OF BRAND CODES
JM = JOHNS MANVILLE

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.25	0.31 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.50	0.31 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.75	0.31 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.00	0.31 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.25	0.31 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.50	0.31 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.75	0.31 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	3.00	0.31 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	3.25	0.31 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	3.50	0.31 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	3.75	0.31 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	4.00	0.31 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	0.25	0.29 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	0.38	0.29 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	0.50	0.29 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	0.75	0.29 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	1.00	0.29 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	1.25	0.29 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	1.50	0.29 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	1.75	0.29 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	2.00	0.29 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	2.25	0.29 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	2.50	0.29 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	2.75	0.29 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	3.00	0.29 K

* DESCRIPTION OF BRAND CODES
JM = JOHNS MANVILLE

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	3.25	0.29 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	3.50	0.29 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	3.75	0.29 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	4.00	0.29 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.25	0.29 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.38	0.29 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.50	0.29 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.75	0.29 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.00	0.29 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.25	0.29 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.50	0.29 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.75	0.29 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.00	0.29 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.25	0.29 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.50	0.29 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.75	0.29 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	3.00	0.29 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	3.25	0.29 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	3.50	0.29 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	3.75	0.29 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	4.00	0.29 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	0.25	0.27 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	0.38	0.27 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	0.50	0.27 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	0.75	0.27 K

* DESCRIPTION OF BRAND CODES
JM = JOHNS MANVILLE

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	1.00	0.27 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	1.25	0.27 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	1.50	0.27 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	1.75	0.27 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	2.00	0.27 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	2.25	0.27 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	2.50	0.27 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	2.75	0.27 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	3.00	0.27 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	3.25	0.27 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	3.50	0.27 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	3.75	0.27 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	4.00	0.27 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.25	0.27 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.38	0.27 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.50	0.27 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.75	0.27 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.00	0.27 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.25	0.27 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.50	0.27 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.75	0.27 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.00	0.27 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.25	0.27 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.50	0.27 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.75	0.27 K

* DESCRIPTION OF BRAND CODES
JM = JOHNS MANVILLE

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	3.00	0.27 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	3.25	0.27 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	3.50	0.27 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	3.75	0.27 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	4.00	0.27 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	0.25	0.25 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	0.38	0.25 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	0.50	0.25 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	0.75	0.25 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	1.00	0.25 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	1.25	0.25 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	1.50	0.25 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	1.75	0.25 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	2.00	0.25 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.25	0.25 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.38	0.25 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.50	0.25 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.75	0.25 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.00	0.25 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.25	0.25 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.50	0.25 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.75	0.25 K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	2.00	0.25 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	0.25	0.23 K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	0.38	0.23 K

* DESCRIPTION OF BRAND CODES
JM = JOHNS MANVILLE

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE	
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	0.50	0.23	K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	0.75	0.23	K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	1.00	0.23	K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	1.25	0.23	K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	1.50	0.23	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.25	0.23	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.38	0.23	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.50	0.23	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.75	0.23	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.00	0.23	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.25	0.23	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	1.50	0.23	K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	0.25	0.22	K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	0.50	0.22	K
JM	MICROLITE	FIBER GLASS	SINGLE MATERIAL	NONE	EQUIP/DUCTS	YES	NO	0.75	0.22	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.25	0.22	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.50	0.22	K
JM	MICROLITE	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	EQUIP/DUCTS	YES	YES	0.75	0.22	K
JM	MICROLITE DW	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.00	2.40	R
JM	MICROLITE DW	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.50	3.60	R
JM	MICROLITE DW	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.00	4.90	R
JM	MICROLITE DW	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.50	6.10	R
JM	MICROLITE DW	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	3.00	7.30	R
JM	MICROLITE DW	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.00	2.60	R
JM	MICROLITE DW	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.50	3.90	R

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BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
JM	MICROLITE DW	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.00	5.20 R
JM	MICROLITE DW	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.50	6.50 R
JM	MICROLITE DW	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	3.00	7.80 R
JM	MICROLITE DW	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.00	2.80 R
JM	MICROLITE DW	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.50	4.20 R
JM	MICROLITE DW	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.00	5.60 R
JM	MICROLITE DW	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.50	7.00 R
JM	MICROLITE DW	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	3.00	8.40 R
JM	MICROLITE DW	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.00	3.00 R
JM	MICROLITE DW	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.50	4.60 R
JM	MICROLITE DW	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.00	6.10 R
JM	MICROLITE DW	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.00	3.20 R
JM	MICROLITE DW	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.50	4.80 R
JM	MICROLITE DW	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	DUCTS	YES	YES	1.00	2.40 R
JM	MICROLITE DW	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	DUCTS	YES	YES	1.50	3.60 R
JM	MICROLITE DW	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	DUCTS	YES	YES	2.00	4.90 R
JM	MICROLITE DW	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	DUCTS	YES	YES	2.50	6.10 R
JM	MICROLITE DW	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	DUCTS	YES	YES	3.00	7.30 R
JM	MICROLITE DW	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	DUCTS	YES	YES	1.00	2.60 R
JM	MICROLITE DW	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	DUCTS	YES	YES	1.50	3.90 R
JM	MICROLITE DW	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	DUCTS	YES	YES	2.00	5.20 R
JM	MICROLITE DW	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	DUCTS	YES	YES	2.50	6.50 R
JM	MICROLITE DW	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	DUCTS	YES	YES	3.00	7.80 R
JM	MICROLITE DW	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	DUCTS	YES	YES	1.00	2.80 R
JM	MICROLITE DW	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	DUCTS	YES	YES	1.50	4.20 R

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BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
JM	MICROLITE DW	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	DUCTS	YES	YES	2.00	5.60 R
JM	MICROLITE DW	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	DUCTS	YES	YES	2.50	7.00 R
JM	MICROLITE DW	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	DUCTS	YES	YES	3.00	8.40 R
JM	MICROLITE DW	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	DUCTS	YES	YES	1.00	3.00 R
JM	MICROLITE DW	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	DUCTS	YES	YES	1.50	4.60 R
JM	MICROLITE DW	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	DUCTS	YES	YES	2.00	6.10 R
JM	MICROLITE DW	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	DUCTS	YES	YES	1.00	3.20 R
JM	MICROLITE DW	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	DUCTS	YES	YES	1.50	4.80 R
JM	MICROLITE WH	FIBER GLASS	SINGLE MATERIAL	NONE	WATER HEATERS	YES	NO	1.50	0.32 K
JM	MICROLITE WH	FIBER GLASS	SINGLE MATERIAL	NONE	WATER HEATERS	YES	NO	1.00	0.29 K
JM	MICROLITE WH	FIBER GLASS	SINGLE MATERIAL	NONE	WATER HEATERS	YES	NO	1.25	0.29 K
JM	MICROLITE WH	FIBER GLASS	SINGLE MATERIAL	NONE	WATER HEATERS	YES	NO	1.50	0.29 K
JM	MICROLITE WH	FIBER GLASS	SINGLE MATERIAL	NONE	WATER HEATERS	YES	NO	1.75	0.29 K
JM	MICROLITE WH	FIBER GLASS	SINGLE MATERIAL	NONE	WATER HEATERS	YES	NO	2.00	0.29 K
JM	MICROLITE WH	FIBER GLASS	SINGLE MATERIAL	NONE	WATER HEATERS	YES	NO	2.50	0.29 K
JM	MICROLITE WH	FIBER GLASS	SINGLE MATERIAL	NONE	WATER HEATERS	YES	NO	3.00	0.29 K
JM	MICROLITE WH	FIBER GLASS	SINGLE MATERIAL	NONE	WATER HEATERS	YES	NO	1.00	0.28 K
JM	MICROLITE WH	FIBER GLASS	SINGLE MATERIAL	NONE	WATER HEATERS	YES	NO	1.25	0.28 K
JM	MICROLITE WH	FIBER GLASS	SINGLE MATERIAL	NONE	WATER HEATERS	YES	NO	1.50	0.28 K
JM	MICROLITE WH	FIBER GLASS	SINGLE MATERIAL	NONE	WATER HEATERS	YES	NO	1.75	0.28 K
JM	MICROLITE WH	FIBER GLASS	SINGLE MATERIAL	NONE	WATER HEATERS	YES	NO	2.00	0.28 K
JM	MICROLITE WH	FIBER GLASS	SINGLE MATERIAL	NONE	WATER HEATERS	YES	NO	2.50	0.28 K
JM	MICROLITE WH	FIBER GLASS	SINGLE MATERIAL	NONE	WATER HEATERS	YES	NO	3.00	0.28 K
JM	MULTI-PURPOSE	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	1.65	5.40 R
JM	PERMACOTE	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	0.50	0.45 C

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BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE	
JM	PERMACOTE	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	1.00	0.25	C
JM	PERMACOTE	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	1.50	0.17	C
JM	PERMACOTE	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	2.00	0.13	C
JM	PERMACOTE HP	FIBER GLASS	COMPOSITE	NONE	DUCTS	YES	NO	1.00	0.23	C
JM	PERMACOTE SPIRA PLU	FIBER GLASS	FACED SINGLE MATL	PLASTIC	DUCTS	NO	NO	1.00	0.23	K
JM	PERMACOTE SPIRA PLU	FIBER GLASS	FACED SINGLE MATL	PLASTIC	DUCTS	NO	NO	1.50	0.23	K
JM	PIPE WRAP	FIBER GLASS	FACED SINGLE MATL	PLASTIC	PIPES	YES	YES	0.50	1.80	R
JM	R-SERIES DW	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.00	3.20	R
JM	R-SERIES DW	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.50	4.50	R
JM	R-SERIES DW	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.00	6.00	R
JM	R-SERIES DW	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.50	7.50	R
JM	R-SERIES DW	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	3.00	9.00	R
JM	R-SERIES DW	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	DUCTS	YES	YES	1.00	3.20	R
JM	R-SERIES DW	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	DUCTS	YES	YES	1.50	4.80	R
JM	R-SERIES DW	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	DUCTS	YES	YES	2.00	6.50	R
JM	R-SERIES DW	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	DUCTS	YES	YES	2.50	8.10	R
JM	R-SERIES DW	FIBER GLASS	FACED SINGLE MATL	MTL/PLAS	DUCTS	YES	YES	3.00	3.70	R

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BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
KNF	DTWP FCD .75PCF	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	1.50	3.80 R
KNF	DTWP FCD .75PCF	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	2.00	5.00 R
KNF	DTWP FCD .75PCF	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	2.1875	5.50 R
KNF	DTWP FCD .75PCF	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	2.50	6.25 R
KNF	DTWP FCD .75PCF	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	3.00	7.50 R
KNF	DTWP FCD .75PCF	FIBER GLASS	FACED SINGLE MATL	PLASTIC	DUCTS	YES	YES	1.50	3.80 R
KNF	DTWP FCD .75PCF	FIBER GLASS	FACED SINGLE MATL	PLASTIC	DUCTS	YES	YES	2.00	5.00 R
KNF	DTWP FCD .75PCF	FIBER GLASS	FACED SINGLE MATL	PLASTIC	DUCTS	YES	YES	3.00	7.50 R
KNF	DTWP FCD 1.0PCF	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	1.50	4.10 R
KNF	DTWP FCD 1.0PCF	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	2.00	5.30 R
KNF	DTWP FCD 1.0PCF	FIBER GLASS	FACED SINGLE MATL	PLASTIC	DUCTS	YES	YES	1.50	4.10 R
KNF	DTWP FCD 1.0PCF	FIBER GLASS	FACED SINGLE MATL	PLASTIC	DUCTS	YES	YES	2.00	5.30 R
KNF	DTWP FCD 1.5PCF	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	1.00	2.90 R
KNF	DTWP FCD 1.5PCF	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	1.50	4.40 R
KNF	DTWP FCD 1.5PCF	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	2.00	5.80 R
KNF	DTWP FCD 1.5PCF	FIBER GLASS	FACED SINGLE MATL	PLASTIC	DUCTS	YES	YES	1.50	4.40 R
KNF	DTWP FCD 1.5PCF	FIBER GLASS	FACED SINGLE MATL	PLASTIC	DUCTS	YES	YES	2.00	5.80 R
KNF	DTWP PLN .75PCF	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.00	2.50 R
KNF	DTWP PLN .75PCF	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.50	3.80 R
KNF	DTWP PLN .75PCF	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.00	5.00 R
KNF	DTWP PLN .75PCF	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.1875	5.50 R
KNF	DTWP PLN .75PCF	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.50	6.20 R
KNF	DTWP PLN .75PCF	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.50	6.25 R
KNF	DTWP PLN .75PCF	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	3.00	7.50 R
KNF	DTWP PLN 1.0PCF	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.50	4.10 R

* DESCRIPTION OF BRAND CODES
KNF = KNAUF FIBER GLASS

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
KNF	DTWP PLN 1.0PCF	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.00	5.30 R
KNF	DTWP VIN .75PCF	FIBER GLASS	FACED SINGLE MATL	PLASTIC	DUCTS	YES	YES	1.50	3.80 R
KNF	DTWP VIN .75PCF	FIBER GLASS	FACED SINGLE MATL	PLASTIC	DUCTS	YES	YES	2.00	5.00 R
KNF	DTWP VIN .75PCF	FIBER GLASS	FACED SINGLE MATL	PLASTIC	DUCTS	YES	YES	3.00	7.50 R

* DESCRIPTION OF BRAND CODES
KNF = KNAUF FIBER GLASS

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE	
MD	04663 R6-7	FIBER GLASS	FACED SINGLE MATL	PLASTIC	WTR HTR	YES	YES	2.00	6.70	R
MD	04671 R5	FIBER GLASS	FACED SINGLE MATL	PLASTIC	WTR HTR	YES	YES	1.50	5.00	R
MD	04929	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	0.50	1.70	R
MD	04937	FIBER GLASS	SINGLE MATERIAL	NONE	PIPES	YES	NO	0.50	1.70	R

* DESCRIPTION OF BRAND CODES
MD = M-D BUILDING PRODUCTS

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
THP	THERMALWRAP 850	FIBER GLASS	FACED SINGLE MATL	FOIL	EQUIP	YES	YES	1.00	0.307 K
THP	THERMALWRAP 850	FIBER GLASS	FACED SINGLE MATL	FOIL	EQUIP	YES	YES	1.50	0.307 K
THP	THERMALWRAP 850	FIBER GLASS	FACED SINGLE MATL	FOIL	EQUIP	YES	YES	2.00	0.307 K
THP	THERMALWRAP 850	FIBER GLASS	FACED SINGLE MATL	FOIL	EQUIP	YES	YES	2.50	0.307 K
THP	THERMALWRAP 850	FIBER GLASS	FACED SINGLE MATL	FOIL	EQUIP	YES	YES	3.00	0.307 K
THP	THERMALWRAP 850	FIBER GLASS	FACED SINGLE MATL	FOIL	EQUIP	YES	YES	4.00	0.307 K

* DESCRIPTION OF BRAND CODES
THP = THERMALWRAP

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
FG	ALL SVC DUCTWRAP	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	1.50	4.20 R
FG	ALL SVC DUCTWRAP	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	2.00	5.60 R
FG	ALL SVC DUCTWRAP	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	2.20	6.00 R
FG	ALL SVC DUCTWRAP	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	3.00	8.30 R
FG	COMML WRAP T 75	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	1.50	4.20 R
FG	COMML WRAP T 75	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	2.00	5.60 R
FG	COMML WRAP T 75	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	3.00	8.30 R
FG	COMML WRAP T 100	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	1.50	4.50 R
FG	COMML WRAP T 100	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	2.00	6.00 R
FG	COMML WRAP T 150	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	1.50	4.80 R
FG	COMML WRAP T 150	FIBER GLASS	FACED SINGLE MATL	METAL	DUCTS	YES	YES	2.00	6.40 R
FG	FDM TYPE 75	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	1.00	0.29 K
FG	FDM TYPE 75	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	1.25	0.29 K
FG	FDM TYPE 75	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	1.50	0.29 K
FG	FDM TYPE 75	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	1.75	0.29 K
FG	FDM TYPE 75	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	2.00	0.29 K
FG	FDM TYPE 75	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	2.25	0.29 K
FG	FDM TYPE 75	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	NO	NO	2.50	0.29 K
FG	R-4.3 WATER HTR	FIBER GLASS	FACED SINGLE MATL	PLASTIC	WTR HTRS	YES	YES	1.25	4.30 R
FG	R-4.8 WATER HTR	FIBER GLASS	FACED SINGLE MATL	PLASTIC	WTR HTRS	YES	YES	1.50	4.80 R
FG	R-6.9 WATER HTR	FIBER GLASS	FACED SINGLE MATL	PLASTIC	WTR HTRS	YES	YES	2.00	6.90 R
FG	U DUCT WRAP T 50	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.50	3.60 R
FG	U DUCT WRAP T 50	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.00	4.80 R
FG	U DUCT WRAP T 50	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	3.00	7.30 R
FG	U DUCT WRAP T 75	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.00	2.60 R

* DESCRIPTION OF BRAND CODES
FG = FIBERGLAS

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE
FG	U DUCT WRAP T 75	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.50	3.90 R
FG	U DUCT WRAP T 75	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.00	5.20 R
FG	U DUCT WRAP T 75	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	3.00	7.80 R
FG	U DUCT WRAP T100	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.00	2.80 R
FG	U DUCT WRAP T100	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.50	4.20 R
FG	U DUCT WRAP T100	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	2.00	5.60 R
FG	U DUCT WRAP T150	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.00	3.00 R
FG	U DUCT WRAP T150	FIBER GLASS	SINGLE MATERIAL	NONE	DUCTS	YES	NO	1.50	4.50 R
FG	WATER HEATER TOP	FIBER GLASS	FACED SINGLE MATL	PLASTIC	WTR HTRS	YES	YES	2.00	
FG	WTRHTRKIT-CAL ED	FIBER GLASS	FACED SINGLE MATL	PLASTIC	WTR HTRS	YES	YES	1.75	5.60 R
FG	WTRHTRKIT-R 5.2	FIBER GLASS	FACED SINGLE MATL	PLASTIC	WTR HTRS	YES	YES	1.50	5.20 R
FG	WTRHTRKIT R 6.4	FIBER GLASS	FACED SINGLE MATL	PLASTIC	WTR HTRS	YES	YES	2.00	6.40 R
FG	WTRHTRKIT R 12	FIBER GLASS	FACED SINGLE MATL	PLASTIC	WTR HTRS	YES	YES	4.00	12.00 R

* DESCRIPTION OF BRAND CODES
FG = FIBERGLAS

BRAND CODE *	PRODUCT ID	MATERIAL	TYPE	FACING	PRIMARY USE	DESIGNED FOR EXPOSED APPLICATIONS?	ACTS AS VAPOR BARRIER?	LABELED PRODUCT THICKNESS INCHES	LABELED THERMAL PERFORMANCE IN R,K, OR C VALUE	
MD	PDI02378	REFLECT FOIL/FM	FACED SINGLE MATL	METAL	PIPES	YES	YES	0.12	0.40	R
MD	02394	REFLECT FOIL/FM	FACED SINGLE MATL	METAL	PIPES	YES	YES	0.12	0.40	R
MD	02410	DUCT INSULATION	FACED SINGLE MATL	METAL	DUCTS	YES	YES	0.12	0.40	R

* DESCRIPTION OF BRAND CODES
MD = M-D BUILDING PRODUCTS

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